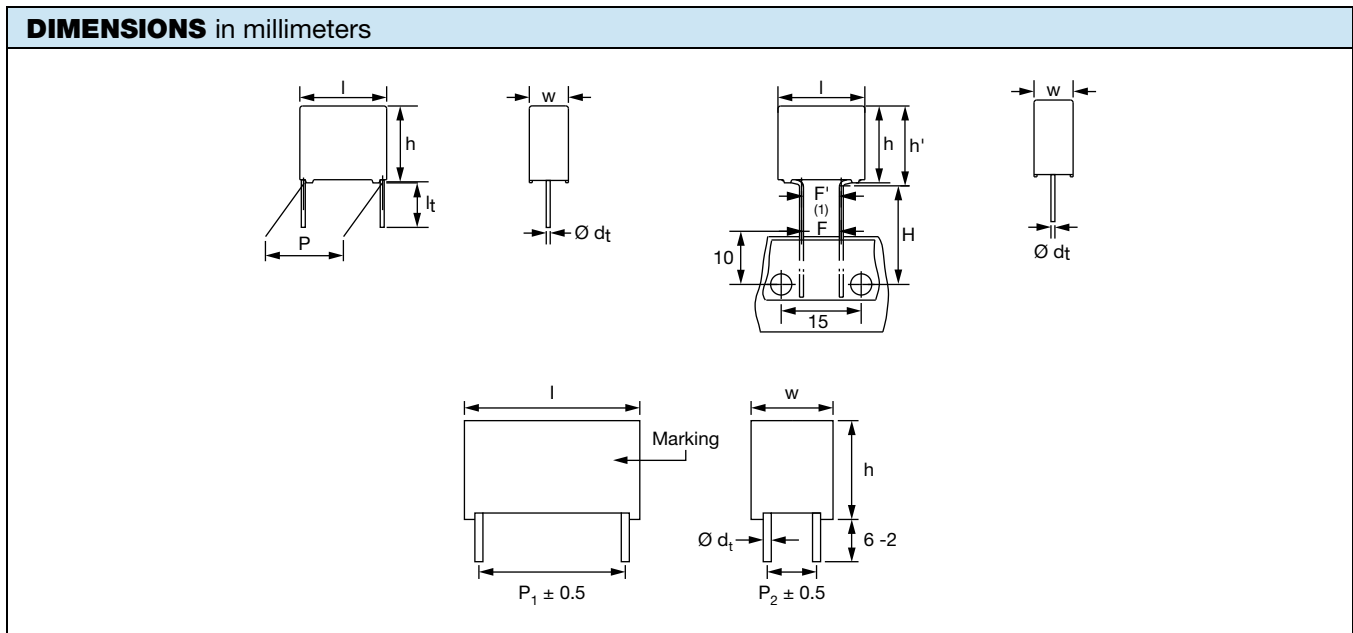


Detailed Ratings

ELECTRICAL DATA ⁽¹⁾	
U_{RDC} (V)	CAP. (μ F)
160	0.011 min.
	82 max.
250	0.010 min.
	62 max.
400	0.0043 min.
	27 max.
630	0.0015 min.
	15 max.
850	0.001 min.
	10 max.
1000	0.00047 min.
	6.8 max.
1250	0.00047 min.
	5.1 max.
1600	0.00047 min.
	2.7 max.
2000	0.00047 min.
	1.6 max.
2500	0.00047 min.
	0.68 max.

Note

⁽¹⁾ For series overview see www.vishay.com/doc?28174


Note

- $|F-F'| < 0.3$ mm
 $F = 7.5$ mm + 0.6 mm/- 0.1 mm
 $\varnothing dt \pm 10\%$ of standard diameter specified



SPECIFIC REFERENCE DATA - 160 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 5 mm	125 V/μs
Pitch = 7.5 mm	145 V/μs
Pitch = 10 mm	165 V/μs
Pitch = 15 mm	80 V/μs
Pitch = 22.5 mm	95 V/μs
Pitch = 27.5 mm	60 V/μs
Pitch = 37.5 mm	30 V/μs
Pitch = 52.5 mm	15 V/μs
R between leads, for C ≤ 1 μF at 100 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 100 V; 1 min	> 30 000 MΩ
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	256 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 160 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.011 μF < C ≤ 0.015 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.015 μF < C ≤ 0.082 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.082 μF < C ≤ 0.12 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.12 μF < C ≤ 0.16 μF	≤ 10 x 10 ⁻⁴	≤ 35 x 10 ⁻⁴
0.16 μF < C ≤ 0.33 μF	≤ 10 x 10 ⁻⁴	≤ 40 x 10 ⁻⁴
0.33 μF < C ≤ 0.47 μF	≤ 10 x 10 ⁻⁴	≤ 45 x 10 ⁻⁴
0.47 μF < C ≤ 0.82 μF	≤ 15 x 10 ⁻⁴	≤ 80 x 10 ⁻⁴
0.82 μF < C ≤ 1.1 μF	≤ 15 x 10 ⁻⁴	≤ 90 x 10 ⁻⁴
1.1 μF < C ≤ 1.2 μF	≤ 15 x 10 ⁻⁴	≤ 120 x 10 ⁻⁴
1.2 μF < C ≤ 1.3 μF	≤ 15 x 10 ⁻⁴	≤ 125 x 10 ⁻⁴
1.3 μF < C ≤ 1.8 μF	≤ 15 x 10 ⁻⁴	≤ 135 x 10 ⁻⁴
1.8 μF < C ≤ 2.4 μF	≤ 15 x 10 ⁻⁴	≤ 145 x 10 ⁻⁴
2.4 μF < C ≤ 3.0 μF	≤ 15 x 10 ⁻⁴	≤ 155 x 10 ⁻⁴
3.0 μF < C ≤ 3.9 μF	≤ 20 x 10 ⁻⁴	≤ 160 x 10 ⁻⁴
3.9 μF < C ≤ 5.1 μF	≤ 20 x 10 ⁻⁴	≤ 165 x 10 ⁻⁴
5.1 μF < C ≤ 5.6 μF	≤ 20 x 10 ⁻⁴	≤ 170 x 10 ⁻⁴
5.6 μF < C ≤ 43 μF	≤ 40 x 10 ⁻⁴	-
43 μF < C ≤ 82 μF	≤ 95 x 10 ⁻⁴	-



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽¹⁾		REELPACK ⁽¹⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ	SPQ	
PITCH = 5.08 mm \pm 0.3 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.011	3.5 x 7 x 7.2	0.3	311016JBA2B0	311016JBM2B0	2000	311016JBI2B0	1000	311016JB02G0	1500	311016JB02W0	1500
0.012			312016JBA2B0	312016JBM2B0		312016JBI2B0		312016JB02G0		312016JB02W0	
0.013			313016JBA2B0	313016JBM2B0		313016JBI2B0		313016JB02G0		313016JB02W0	
0.015			315016JBA2B0	315016JBM2B0		315016JBI2B0		315016JB02G0		315016JB02W0	
0.018			318016JBA2B0	318016JBM2B0		318016JBI2B0		318016JB02G0		318016JB02W0	
0.020			320016JBA2B0	320016JBM2B0		320016JBI2B0		320016JB02G0		320016JB02W0	
0.022			322016JBA2B0	322016JBM2B0		322016JBI2B0		322016JB02G0		322016JB02W0	
0.024			324016JBA2B0	324016JBM2B0		324016JBI2B0		324016JB02G0		324016JB02W0	
0.027			327016JBA2B0	327016JBM2B0		327016JBI2B0		327016JB02G0		327016JB02W0	
0.030			330016JBA2B0	330016JBM2B0		330016JBI2B0		330016JB02G0		330016JB02W0	
0.033			333016JBA2B0	333016JBM2B0		333016JBI2B0		333016JB02G0		333016JB02W0	
0.036			336016JBA2B0	336016JBM2B0		336016JBI2B0		336016JB02G0		336016JB02W0	
0.039			339016JBA2B0	339016JBM2B0		339016JBI2B0		339016JB02G0		339016JB02W0	
0.043			343016JBA2B0	343016JBM2B0		343016JBI2B0		343016JB02G0		343016JB02W0	
0.047			347016JBA2B0	347016JBM2B0		347016JBI2B0		347016JB02G0		347016JB02W0	
0.051	4.5 x 9 x 7.2	0.42	351016JBA2B0	351016JBM2B0	2000	351016JBI2B0	1000	351016JB02G0	1000	351016JB02W0	1000
0.056			356016JBA2B0	356016JBM2B0		356016JBI2B0		356016JB02G0		356016JB02W0	
0.062			362016JBA2B0	362016JBM2B0		362016JBI2B0		362016JB02G0		362016JB02W0	
0.068			368016JBA2B0	368016JBM2B0		368016JBI2B0		368016JB02G0		368016JB02W0	
0.075	6 x 11 x 7.2	0.64	375016JBA2B0	375016JBM2B0	2000	375016JBI2B0	1000	375016JB02G0	750	375016JB02W0	1000
0.082			382016JBA2B0	382016JBM2B0		382016JBI2B0		382016JB02G0		382016JB02W0	
0.091			391016JBA2B0	391016JBM2B0		391016JBI2B0		391016JB02G0		391016JB02W0	
0.100			410016JBA2B0	410016JBM2B0		410016JBI2B0		410016JB02G0		410016JB02W0	
0.110			411016JBA2B0	411016JBM2B0		411016JBI2B0		411016JB02G0		411016JB02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.020	3 x 8 x 10	0.34	320016JCA2B0	320016JCM2B0	1500	320016JCI2B0	1000	320016JC02G0	1250	320016JC02W0	1500
0.022			322016JCA2B0	322016JCM2B0		322016JCI2B0		322016JC02G0		322016JC02W0	
0.024			324016JCA2B0	324016JCM2B0		324016JCI2B0		324016JC02G0		324016JC02W0	
0.027			327016JCA2B0	327016JCM2B0		327016JCI2B0		327016JC02G0		327016JC02W0	
0.030			330016JCA2B0	330016JCM2B0		330016JCI2B0		330016JC02G0		330016JC02W0	
0.033			333016JCA2B0	333016JCM2B0		333016JCI2B0		333016JC02G0		333016JC02W0	
0.036			336016JCA2B0	336016JCM2B0		336016JCI2B0		336016JC02G0		336016JC02W0	
0.039			339016JCA2B0	339016JCM2B0		339016JCI2B0		339016JC02G0		339016JC02W0	
0.043			343016JCA2B0	343016JCM2B0		343016JCI2B0		343016JC02G0		343016JC02W0	
0.047			347016JCA2B0	347016JCM2B0		347016JCI2B0		347016JC02G0		347016JC02W0	
0.051	4 x 9 x 10	0.45	351016JCA2B0	351016JCM2B0	1500	351016JCI2B0	1000	351016JC02G0	1250	351016JC02W0	1500
0.056			356016JCA2B0	356016JCM2B0		356016JCI2B0		356016JC02G0		356016JC02W0	
0.062			362016JCA2B0	362016JCM2B0		362016JCI2B0		362016JC02G0		362016JC02W0	
0.068			368016JCA2B0	368016JCM2B0		368016JCI2B0		368016JC02G0		368016JC02W0	
0.075			375016JCA2B0	375016JCM2B0		375016JCI2B0		375016JC02G0		375016JC02W0	
0.082			382016JCA2B0	382016JCM2B0		382016JCI2B0		382016JC02G0		382016JC02W0	
0.091			391016JCA2B0	391016JCM2B0		391016JCI2B0		391016JC02G0		391016JC02W0	
0.100	5 x 10.5 x 10	0.6	410016JCA2B0	410016JCM2B0	1000	410016JCI2B0	1250	410016JC02G0	1000	410016JC02W0	1000
0.110			411016JCA2B0	411016JCM2B0		411016JCI2B0		411016JC02G0		411016JC02W0	
0.120			412016JCA2B0	412016JCM2B0		412016JCI2B0		412016JC02G0		412016JC02W0	
0.130			413016JCA2B0	413016JCM2B0		413016JCI2B0		413016JC02G0		413016JC02W0	
0.150	6 x 11.5 x 10	0.8	415016JCA2B0	415016JCM2B0	750	415016JCI2B0	1000	415016JC02G0	750	415016JC02W0	500
0.160			416016JCA2B0	416016JCM2B0		416016JCI2B0		416016JC02G0		416016JC02W0	
0.180			418016JCA2B0	418016JCM2B0		418016JCI2B0		418016JC02G0		418016JC02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 160 V$; $U_{RAC} = 110 V/U_{p-p} = 310 V$; C-tol. = $\pm 5 \%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.091	4 x 12 x 12.5	0.6	391016JC02H0	1300	391016JC02R0	2000	-	-
0.100			410016JC02H0		410016JC02R0			
0.110			411016JC02H0		411016JC02R0			
0.120			412016JC02H0		412016JC02R0			
0.130			413016JC02H0		413016JC02R0			
0.150	5 x 13 x 12.5	0.82	415016JC02H0	1000	415016JC02R0	1900	-	-
0.160			416016JC02H0		416016JC02R0			
0.180			418016JC02H0		418016JC02R0			
0.200			420016JC02H0		420016JC02R0			
0.220	6 x 14 x 12.5	1.1	422016JC02H0	850	422016JC02R0	1500	-	-
0.240			424016JC02H0		424016JC02R0			
0.270			427016JC02H0		427016JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.130	5 x 13 x 17.5	1	-	-	413016JC02R1	950	413016JC02Z0	550
0.160			416016JC02R1		416016JC02Z0			
0.180			418016JC02R1		418016JC02Z0			
0.200			420016JC02R1		420016JC02Z0			
0.220			422016JC02R1		422016JC02Z0			
0.240			424016JC02R1		424016JC02Z0			
0.270			427016JC02R1		427016JC02Z0			
0.300			430016JC02R1		430016JC02Z0			
0.330	6 x 14 x 17.5	1.4	-	-	433016JC02R1	800	433016JC02Z0	450
0.360			436016JC02R1		436016JC02Z0			
0.390			439016JC02R1		439016JC02Z0			
0.430			443016JC02R1		443016JC02Z0			
0.470			447016JC02R1		447016JC02Z0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.510	7 x 15.5 x 17.5	1.8	-	-	451016JC02R1	700	451016JC02Z0	400
0.560			456016JC02R1		456016JC02Z0			
0.620			462016JC02R1		462016JC02Z0			
0.680	8.5 x 17 x 17.5	2.4	-	-	468016JC02R1	550	468016JC02Z0	300
0.750			475016JC02R1		475016JC02Z0			
0.820			482016JC02R1		482016JC02Z0			
0.910			491016JC02R1		491016JC02Z0			
1.000	10 x 18.5 x 17.5	3	-	-	510016JC02R1	500	510016JC02Z0	250
1.100			511016JC02R1		511016JC02Z0			
1.200			512016JC02R1		512016JC02Z0			

Notes

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SPQ = Standard Packing Quantity



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ + 1/- 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.091	4 x 10 x 12.5	0.6	391016JDA2B0	391016JDM2B0	1000	391016JDI2B0	1250	391016JD02G0	950	391016JD02W0	1400
0.100			410016JDA2B0	410016JDM2B0		410016JDI2B0		410016JD02G0		410016JD02W0	
0.110			411016JDA2B0	411016JDM2B0		411016JDI2B0		411016JD02G0		411016JD02W0	
0.120			412016JDA2B0	412016JDM2B0		412016JDI2B0		412016JD02G0		412016JD02W0	
0.130			413016JDA2B0	413016JDM2B0		413016JDI2B0		413016JD02G0		413016JD02W0	
0.150	5 x 11 x 12.5	0.82	415016JDA2B0	415016JDM2B0	1000	415016JDI2B0	1000	415016JD02G0	750	415016JD02W0	1000
0.160			416016JDA2B0	416016JDM2B0		416016JDI2B0		416016JD02G0		416016JD02W0	
0.180			418016JDA2B0	418016JDM2B0		418016JDI2B0		418016JD02G0		418016JD02W0	
0.200			420016JDA2B0	420016JDM2B0		420016JDI2B0		420016JD02G0		420016JD02W0	
0.220			422016JDA2B0	422016JDM2B0		422016JDI2B0		422016JD02G0		422016JD02W0	
0.240	6 x 12 x 12.5	1.1	424016JDA2B0	424016JDM2B0	750	424016JDI2B0	750	424016JD02G0	600	424016JD02W0	900
0.270			427016JDA2B0	427016JDM2B0		427016JDI2B0		427016JD02G0		427016JD02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity

$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING							
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾		
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$										
0.13	5 x 11 x 17.5	1	413016JFP2B0	413016JFM2B0	1250	413016JFI2B0	1000	413016JF02W0	1100	
0.16			416016JFP2B0	416016JFM2B0		416016JFI2B0		416016JF02W0		
0.18			418016JFP2B0	418016JFM2B0		418016JFI2B0		418016JF02W0		
0.20			420016JFP2B0	420016JFM2B0		420016JFI2B0		420016JF02W0		
0.22			422016JFP2B0	422016JFM2B0		422016JFI2B0		422016JF02W0		
0.24			424016JFP2B0	424016JFM2B0		424016JFI2B0		424016JF02W0		
0.27			427016JFP2B0	427016JFM2B0		427016JFI2B0		427016JF02W0		
0.30			430016JFP2B0	430016JFM2B0		430016JFI2B0		430016JF02W0		
0.33	6 x 12 x 17.5	1.4	433016JFP2B0	433016JFM2B0	1000	433016JFI2B0	1000	433016JF02W0	900	
0.36			436016JFP2B0	436016JFM2B0		436016JFI2B0		436016JF02W0		
0.39			439016JFP2B0	439016JFM2B0		439016JFI2B0		439016JF02W0		
0.43			443016JFP2B0	443016JFM2B0		443016JFI2B0		443016JF02W0		
0.47			447016JFP2B0	447016JFM2B0		447016JFI2B0		447016JF02W0		
0.51			7 x 13.5 x 17.5	1.8		451016JFP2B0		451016JFM2B0		750
0.56	456016JFP2B0	456016JFM2B0			456016JFI2B0	456016JF02W0				
0.62	462016JFP2B0	462016JFM2B0			462016JFI2B0	462016JF02W0				
0.68	468016JFP2B0	468016JFM2B0			468016JFI2B0	468016JF02W0				
0.75	8.5 x 15 x 17.5	2.4	475016JFP2B0	475016JFM2B0	750	475016JFI2B0	500	475016JF02W0	650	
0.82			482016JFP2B0	482016JFM2B0		482016JFI2B0		482016JF02W0		
0.91			491016JFP2B0	491016JFM2B0		491016JFI2B0		491016JF02W0		
1.00	10 x 16.5 x 17.5	3	510016JFP2B0	510016JFM2B0	500	510016JFI2B0	450	510016JF02W0	600	
1.10			511016JFP2B0	511016JFM2B0		511016JFI2B0		511016JF02W0		
1.20			512016JFP2B0	512016JFM2B0		512016JFI2B0		512016JF02W0		

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.51	6 x 15.5 x 26	2.4	451016JIP2T0	451016JIM2T0	300	451016JII2B0	250	451016JIO2W0	600
0.56			456016JIP2T0	456016JIM2T0		456016JII2B0		456016JIO2W0	
0.62			462016JIP2T0	462016JIM2T0		462016JII2B0		462016JIO2W0	
0.68			468016JIP2T0	468016JIM2T0		468016JII2B0		468016JIO2W0	
0.75			475016JIP2T0	475016JIM2T0		475016JII2B0		475016JIO2W0	
0.82			482016JIP2T0	482016JIM2T0		482016JII2B0		482016JIO2W0	
0.91			491016JIP2T0	491016JIM2T0		491016JII2B0		491016JIO2W0	
1.00	7 x 16.5 x 26	2.9	510016JIP2T0	510016JIM2T0	200	510016JII2B0	250	510016JIO2W0	500
1.10			511016JIP2T0	511016JIM2T0		511016JII2B0		511016JIO2W0	
1.20			512016JIP2T0	512016JIM2T0		512016JII2B0		512016JIO2W0	
1.30	8.5 x 18 x 26	3.8	513016JIP2T0	513016JIM2T0	200	513016JII2B0	250	513016JIO2W0	450
1.50			515016JIP2T0	515016JIM2T0		515016JII2B0		515016JIO2W0	
1.60			516016JIP2T0	516016JIM2T0		516016JII2B0		516016JIO2W0	
1.80			518016JIP2T0	518016JIM2T0		518016JII2B0		518016JIO2W0	
2.00	10 x 19.5 x 26	6.8	520016JIP2T0	520016JIM2T0	200	520016JII2B0	200	520016JIO2W0	350
2.20			522016JIP2T0	522016JIM2T0		522016JII2B0		522016JIO2W0	
2.40			524016JIP2T0	524016JIM2T0		524016JII2B0		524016JIO2W0	
2.70	12 x 22 x 26	7.8	527016JIP2T0	527016JIM2T0	150	527016JII2B0	200	527016JIO2W0	300
3.00			530016JIP2T0	530016JIM2T0		530016JII2B0		530016JIO2W0	
3.30			533016JIP2T0	533016JIM2T0		533016JII2B0		533016JIO2W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
1.2	9 x 19 x 31.5	5.5	512016JKP2T0	512016JKM2T0	100	512016JKI2B0	150	7.0	10.0
1.3			513016JKP2T0	513016JKM2T0		513016JKI2B0		8.0	9.0
1.5			515016JKP2T0	515016JKM2T0		515016JKI2B0		8.0	9.0
1.6			516016JKP2T0	516016JKM2T0		516016JKI2B0		8.0	8.0
2.0			520016JKP2T0	520016JKM2T0		520016JKI2B0		8.0	8.0
2.2			522016JKP2T0	522016JKM2T0		522016JKI2B0		8.0	7.0
2.4	11 x 21 x 31	7.4	524016JKP2T0	524016JKM2T0	100	524016JKI2B0	125	8.0	6.0
2.7			527016JKP2T0	527016JKM2T0		527016JKI2B0		9.0	6.0
3.0			530016JKP2T0	530016JKM2T0		530016JKI2B0		9.0	5.0
3.3			533016JKP2T0	533016JKM2T0		533016JKI2B0		9.0	5.0
3.6	13 x 23 x 31	9.2	536016JKP2T0	536016JKM2T0	100	536016JKI2B0	125	9.0	5.0
3.9			539016JKP2T0	539016JKM2T0		539016JKI2B0		10.0	4.0
4.3			543016JKP2T0	543016JKM2T0		543016JKI2B0		10.0	4.0
4.7	15 x 25 x 31.5	12.3	547016JKP2T0	536016JKM2T0	100	536016JKI2B0	125	10.0	4.0
5.1			551016JKP2T0	539016JKM2T0		539016JKI2B0		10.0	3.0
5.6			556016JKP2T0	543016JKM2T0		543016JKI2B0		11.0	3.0
6.2	18 x 28 x 31.5	16.1	562016JKP2T0	562016JKM2T0	100	562016JKI2B0	100	12.0	2.0
6.8			568016JKP2T0	568016JKM2T0		568016JKI2B0		12.0	2.0
7.5			575016JKP2T0	575016JKM2T0		575016JKI2B0		12.0	6.0 ⁽⁴⁾
8.2			582016JKP2T0	582016JKM2T0		582016JKI2B0		12.0	5.0 ⁽⁴⁾
9.1	21 x 31 x 31	18.3	591016JKP2T0	591016JKM2T0	50	591016JKI2B0	75	12.0	5.0 ⁽⁴⁾
10			610016JKP2T0	610016JKM2T0		610016JKI2B0		13.0	4.0 ⁽⁴⁾
11			611016JKP2T0	611016JKM2T0		611016JKI2B0		14.0	4.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 160 \text{ V}$; $U_{RAC} = 110 \text{ V}$ / $U_{p-p} = 310 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH P1 = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
6.2	14.5 x 24.5 x 41.5	16.5	562016JPP2T0	562016JPM2T0	140	562016JPI2T0	140	8.0	7.0
6.8			568016JPP2T0	568016JPM2T0		568016JPI2T0		8.0	6.0
7.5			575016JPP2T0	575016JPM2T0		575016JPI2T0		9.0	6.0
8.2	16.0 x 28.5 x 41.5	21.5	582016JPP2T0	582016JPM2T0	125	582016JPI2T0	125	10.0	5.0
9.1			591016JPP2T0	591016JPM2T0		591016JPI2T0		11.0	5.0
10			610016JPP2T0	610016JPM2T0		610016JPI2T0		13.0	4.0
11	18.0 x 32.5 x 41.5	28.5	611016JPP2T0	611016JPM2T0	110	611016JPI2T0	110	14.0	4.0
12			612016JPP2T0	612016JPM2T0		612016JPI2T0		23.0	4.0
13			613016JPP2T0	613016JPM2T0		613016JPI2T0		25.0	3.0
14	18.5 x 35.5 x 43	32.5	614016JPP2T0	614016JPM2T0	105	614016JPI2T0	105	26.0	3.0
15			615016JPP2T0	615016JPM2T0		615016JPI2T0		28.0	3.0
16			616016JPP2T0	616016JPM2T0		616016JPI2T0		30.0	3.0
17			617016JPP2T0	617016JPM2T0		617016JPI2T0		32.0	3.0
18			618016JPP2T0	618016JPM2T0		618016JPI2T0		34.0	2.0
19			619016JPP2T0	619016JPM2T0		619016JPI2T0		36.0	2.0
20			620016JPP2T0	620016JPM2T0		620016JPI2T0		38.0	2.0
22	21.5 x 38.5 x 43	40	622016JPP2T0	622016JPM2T0	91	622016JPI2T0	91	41.0	2.0
24			624016JPP2T0	624016JPM2T0		624016JPI2T0		42.0	2.0
27	24 x 44 x 42	50	627016JPP2T0	627016JPM2T0	77	627016JPI2T0	77	42.0	2.0
30			630016JPP2T0	630016JPM2T0		630016JPI2T0		42.0	1.0
33			633016JPP2T0	633016JPM2T0		633016JPI2T0		42.0	1.0
36	30 x 45 x 42	70	636016JPP2T0	636016JPM2T0	63	636016JPI2T0	63	45.0	1.0
39			639016JPP2T0	639016JPM2T0		639016JPI2T0		49.0	1.0
43			643016JPP2T0	643016JPM2T0		643016JPI2T0		54.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
11	18.0 x 32.5 x 41.5	28.5	611016JPP4T0	611016JPM4T0	110	611016JPI4T0	110	14.0	4.0
12			612016JPP4T0	612016JPM4T0		612016JPI4T0		23.0	4.0
13			613016JPP4T0	613016JPM4T0		613016JPI4T0		25.0	3.0
14	18.5 x 35.5 x 43	32.5	614016JPP4T0	614016JPM4T0	105	614016JPI4T0	105	26.0	3.0
15			615016JPP4T0	615016JPM4T0		615016JPI4T0		28.0	3.0
16			616016JPP4T0	616016JPM4T0		616016JPI4T0		30.0	3.0
17			617016JPP4T0	617016JPM4T0		617016JPI4T0		32.0	3.0
18			618016JPP4T0	618016JPM4T0		618016JPI4T0		34.0	2.0
19			619016JPP4T0	619016JPM4T0		619016JPI4T0		36.0	2.0
20			620016JPP4T0	620016JPM4T0		620016JPI4T0		38.0	2.0



C (μ F)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5$ mm ± 0.3 mm	$l_t = 5$ mm ± 1 mm	SPQ	$l_t = 25$ mm ± 2 mm	SPQ		
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1$ mm \pm 0.10 mm FOUR PIN VERSION									
22	21.5 x 38.5 x 43	40	622016JPP4T0	622016JPM4T0	91	622016JPI4T0	91	41.0	2.0
24			624016JPP4T0	624016JPM4T0		624016JPI4T0		42.0	2.0
27	24 x 44 x 42	50	627016JPP4T0	627016JPM4T0	77	627016JPI4T0	77	42.0	2.0
30			630016JPP4T0	630016JPM4T0		630016JPI4T0		42.0	1.0
33			633016JPP4T0	633016JPM4T0		633016JPI4T0		42.0	1.0
36	30 x 45 x 42	70	636016JPP4T0	636016JPM4T0	63	636016JPI4T0	63	45.0	1.0
39			639016JPP4T0	639016JPM4T0		639016JPI4T0		49.0	1.0
43			643016JPP4T0	643016JPM4T0		643016JPI4T0		54.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1$ mm \pm 0.10 mm FOUR PIN VERSION									
36	30 x 45 x 42	70	636016JPP5T0	636016JPM5T0	63	636016JPI5T0	63	45.0	1.0
39			639016JPP5T0	639016JPM5T0		639016JPI5T0		49.0	1.0
43			643016JPP5T0	643016JPM5T0		643016JPI5T0		54.0	1.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz

$U_{RDC} = 160$ V; $U_{RAC} = 110$ V/ $U_{p-p} = 310$ V; C-tol. = ± 5 %

C (μ F)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5$ mm ± 0.3 mm	$l_t = 5$ mm ± 1 mm	SPQ	$l_t = 25$ mm ± 2 mm	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2$ mm \pm 0.12 mm TWO PIN VERSION									
47	25 x 45 x 57.5	100	647016JYP2T0	647016JYM2T0	55	647016JYI2T0	55	59.0	2.0
51			651016JYP2T0	651016JYM2T0		651016JYI2T0		64.0	2.0
56	30 x 45 x 57.5	125	656016JYP2T0	656016JYM2T0	45	656016JYI2T0	45	70.0	2.0
62			662016JYP2T0	662016JYM2T0		662016JYI2T0		70.0	2.0
68	35 x 50 x 57.5	150	668016JYP2T0	668016JYM2T0	40	668016JYI2T0	40	72.0	2.0
75			675016JYP2T0	675016JYM2T0		675016JYI2T0		72.0	1.0
82			682016JYP2T0	682016JYM2T0		682016JYI2T0		77.0	1.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm $d_t = 1.2$ mm \pm 0.12 mm FOUR PIN VERSION									
47	25 x 45 x 57.5	100	647016JYP4T0	647016JYM4T0	55	647016JYI4T0	55	59.0	2.0
51			651016JYP4T0	651016JYM4T0		651016JYI4T0		64.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm $d_t = 1.2$ mm \pm 0.12 mm FOUR PIN VERSION									
56	30 x 45 x 57.5	125	656016JYP5T0	656016JYM5T0	45	656016JYI5T0	45	70.0	2.0
62			662016JYP5T0	662016JYM5T0		662016JYI5T0		70.0	2.0
68	35 x 50 x 57.5	150	668016JYP5T0	668016JYM5T0	40	668016JYI5T0	40	72.0	2.0
75			675016JYP5T0	675016JYM5T0		675016JYI5T0		72.0	1.0
82			682016JYP5T0	682016JYM5T0		682016JYI5T0		77.0	1.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 250 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 5 mm	125 V/μs
Pitch = 7.5 mm	145 V/μs
Pitch = 10 mm	165 V/μs
Pitch = 15 mm	80 V/μs
Pitch = 22.5 mm	95 V/μs
Pitch = 27.5 mm	60 V/μs
Pitch = 37.5 mm	35 V/μs
Pitch = 52.5 mm	15 V/μs
R between leads, for C ≤ 1 μF at 100 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 100 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 50 pC peak discharge	> 220 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	400 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 250 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.0091 μF < C ≤ 0.043 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.043 μF < C ≤ 0.075 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.075 μF < C ≤ 0.91 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.91 μF < C ≤ 0.11 μF	≤ 10 x 10 ⁻⁴	≤ 35 x 10 ⁻⁴
0.11 μF < C ≤ 0.43 μF	≤ 10 x 10 ⁻⁴	≤ 40 x 10 ⁻⁴
0.43 μF < C ≤ 0.91 μF	≤ 10 x 10 ⁻⁴	≤ 80 x 10 ⁻⁴
0.91 μF < C ≤ 2.0 μF	≤ 15 x 10 ⁻⁴	≤ 125 x 10 ⁻⁴
2.0 μF < C ≤ 3.0 μF	≤ 15 x 10 ⁻⁴	≤ 130 x 10 ⁻⁴
3.0 μF < C ≤ 3.9 μF	≤ 15 x 10 ⁻⁴	≤ 135 x 10 ⁻⁴
3.9 μF < C ≤ 5.6 μF	≤ 15 x 10 ⁻⁴	≤ 140 x 10 ⁻⁴
5.6 μF < C ≤ 33 μF	≤ 40 x 10 ⁻⁴	-
33 μF < C ≤ 62 μF	≤ 95 x 10 ⁻⁴	-



$U_{RDC} = 250 \text{ V}$; $U_{RAC} = 160 \text{ V}$ / $U_{p-p} = 450 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 5.08 mm \pm 0.3 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.010	3.5 x 8 x 7.2	0.3	310025JBA2B0	310025JBM2B0	2000	310025JBI2B0	1000	310025JB02G0	1500	310025JB02W0	1500
0.011			311025JBA2B0	311025JBM2B0		311025JBI2B0		311025JB02G0		311025JB02W0	
0.012			312025JBA2B0	312025JBM2B0		312025JBI2B0		312025JB02G0		312025JB02W0	
0.013			313025JBA2B0	313025JBM2B0		313025JBI2B0		313025JB02G0		313025JB02W0	
0.015			315025JBA2B0	315025JBM2B0		315025JBI2B0		315025JB02G0		315025JB02W0	
0.018			318025JBA2B0	318025JBM2B0		318025JBI2B0		318025JB02G0		318025JB02W0	
0.020			320025JBA2B0	320025JBM2B0		320025JBI2B0		320025JB02G0		320025JB02W0	
0.022			322025JBA2B0	322025JBM2B0		322025JBI2B0		322025JB02G0		322025JB02W0	
0.024			324025JBA2B0	324025JBM2B0		324025JBI2B0		324025JB02G0		324025JB02W0	
0.027			327025JBA2B0	327025JBM2B0		327025JBI2B0		327025JB02G0		327025JB02W0	
0.030			330025JBA2B0	330025JBM2B0		330025JBI2B0		330025JB02G0		330025JB02W0	
0.033			333025JBA2B0	333025JBM2B0		333025JBI2B0		333025JB02G0		333025JB02W0	
0.036			336025JBA2B0	336025JBM2B0		336025JBI2B0		336025JB02G0		336025JB02W0	
0.039			339025JBA2B0	339025JBM2B0		339025JBI2B0		339025JB02G0		339025JB02W0	
0.043			4.5 x 9 x 7.2	0.42		343025JBA2B0		343025JBM2B0		2000	
0.047	347025JBA2B0	347025JBM2B0			347025JBI2B0	347025JB02G0	347025JB02W0				
0.051	351025JBA2B0	351025JBM2B0			351025JBI2B0	351025JB02G0	351025JB02W0				
0.056	356025JBA2B0	356025JBM2B0			356025JBI2B0	356025JB02G0	356025JB02W0				
0.062	362025JBA2B0	362025JBM2B0			362025JBI2B0	362025JB02G0	362025JB02W0				
0.068	6 x 11 x 7.2	0.64	368025JBA2B0	368025JBM2B0	2000	368025JBI2B0	1000	368025JB02G0	750	368025JB02W0	1000
0.075			375025JBA2B0	375025JBM2B0		375025JBI2B0		375025JB02G0		375025JB02W0	
0.082			382025JBA2B0	382025JBM2B0		382025JBI2B0		382025JB02G0		382025JB02W0	
0.091			391025JBA2B0	391025JBM2B0		391025JBI2B0		391025JB02G0		391025JB02W0	
0.100			410025JBA2B0	410025JBM2B0		410025JBI2B0		410025JB02G0		410025JB02W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 250 \text{ V}$; $U_{RAC} = 160 \text{ V}$ / $U_{p-p} = 450 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.020	3 x 8 x 10	0.34	320025JCA2B0	320025JCM2B0	1500	320025JCI2B0	1000	320025JC02G0	1250	320025JC02W0	1500
0.022			322025JCA2B0	322025JCM2B0		322025JCI2B0		322025JC02G0		322025JC02W0	
0.024			324025JCA2B0	324025JCM2B0		324025JCI2B0		324025JC02G0		324025JC02W0	
0.027			327025JCA2B0	327025JCM2B0		327025JCI2B0		327025JC02G0		327025JC02W0	
0.030			330025JCA2B0	330025JCM2B0		330025JCI2B0		330025JC02G0		330025JC02W0	
0.033			333025JCA2B0	333025JCM2B0		333025JCI2B0		333025JC02G0		333025JC02W0	
0.036			336025JCA2B0	336025JCM2B0		336025JCI2B0		336025JC02G0		336025JC02W0	
0.039			339025JCA2B0	339025JCM2B0		339025JCI2B0		339025JC02G0		339025JC02W0	
0.043			343025JCA2B0	343025JCM2B0		343025JCI2B0		343025JC02G0		343025JC02W0	
0.047	4 x 9 x 10	0.45	347025JCA2B0	347025JCM2B0	1500	347025JCI2B0	1000	347025JC02G0	1250	347025JC02W0	1500
0.051			351025JCA2B0	351025JCM2B0		351025JCI2B0		351025JC02G0		351025JC02W0	
0.056			356025JCA2B0	356025JCM2B0		356025JCI2B0		356025JC02G0		356025JC02W0	
0.062			362025JCA2B0	362025JCM2B0		362025JCI2B0		362025JC02G0		362025JC02W0	
0.068			368025JCA2B0	368025JCM2B0		368025JCI2B0		368025JC02G0		368025JC02W0	
0.075			375025JCA2B0	375025JCM2B0		375025JCI2B0		375025JC02G0		375025JC02W0	
0.082	5 x 10.5 x 10	0.6	382025JCA2B0	382025JCM2B0	1000	382025JCI2B0	1250	382025JC02G0	1000	382025JC02W0	1000
0.091			391025JCA2B0	391025JCM2B0		391025JCI2B0		391025JC02G0		391025JC02W0	
0.100			410025JCA2B0	410025JCM2B0		410025JCI2B0		410025JC02G0		410025JC02W0	
0.110			411025JCA2B0	411025JCM2B0		411025JCI2B0		411025JC02G0		411025JC02W0	
0.120	6 x 11.5 x 10	0.8	412025JCA2B0	412025JCM2B0	750	412025JCI2B0	1000	412025JC02G0	750	412025JC02W0	500
0.130			413025JCA2B0	413025JCM2B0		413025JCI2B0		413025JC02G0		413025JC02W0	
0.140			414025JCA2B0	414025JCM2B0		414025JCI2B0		414025JC02G0		414025JC02W0	
0.160			416025JCA2B0	416025JCM2B0		416025JCI2B0		416025JC02G0		416025JC02W0	

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SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 250 V$; $U_{RAC} = 160 V/U_{p-p} = 450 V$; C-tol. = $\pm 5 \%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.091	4 x 12 x 12.5	0.6	391025JC02H0	1300	391025JC02R0	2000	-	-
0.100			410025JC02H0		410025JC02R0			
0.110			411025JC02H0		411025JC02R0			
0.120	5 x 13 x 12.5	0.82	412025JC02H0	1000	412025JC02R0	1900	-	-
0.130			413025JC02H0		413025JC02R0			
0.140			414025JC02H0		414025JC02R0			
0.160	6 x 14 x 12.5	1.1	416025JC02H0	850	416025JC02R0	1500	-	-
0.180			418025JC02H0		418025JC02R0			
0.200			420025JC02H0		420025JC02R0			
0.220			422025JC02H0		422025JC02R0			
0.240			424025JC02H0		424025JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.130	5 x 13 x 17.5	1	-	-	413025JC02R1	950	413025JC02Z0	550
0.150			415025JC02R1		415025JC02Z0			
0.160			416025JC02R1		416025JC02Z0			
0.180			418025JC02R1		418025JC02Z0			
0.200			420025JC02R1		420025JC02Z0			
0.220			422025JC02R1		422025JC02Z0			
0.240			424025JC02R1		424025JC02Z0			
0.270	6 x 14 x 17.5	1.4	-	-	427025JC02R1	800	427025JC02Z0	450
0.300			430025JC02R1		430025JC02Z0			
0.330			433025JC02R1		433025JC02Z0			
0.360			436025JC02R1		436025JC02Z0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.390	7 x 15.5 x 17.5	1.8	-	-	439025JC02R1	700	439025JC02Z0	400
0.430			443025JC02R1		443025JC02Z0			
0.470			447025JC02R1		447025JC02Z0			
0.510			451025JC02R1		451025JC02Z0			
0.560	8.5 x 17 x 17.5	2.4	-	-	456025JC02R1	550	456025JC02Z0	300
0.620			462025JC02R1		462025JC02Z0			
0.680			468025JC02R1		468025JC02Z0			
0.750			475025JC02R1		475025JC02Z0			
0.820	10 x 18.5 x 17.5	3	-	-	482025JC02R1	500	482025JC02Z0	250
0.910			491025JC02R1		491025JC02Z0			
1.000			510025JC02R1		510025JC02Z0			

Notes

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⁽²⁾ Weight for short lead product only
SPQ = Standard Packing Quantity



C (μ F)	DIM. W x H x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽¹⁾		REELPACK ⁽¹⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5$ mm + 1/- 0.5 mm	$l_t = 5$ mm ± 1 mm	SPQ	$l_t = 25$ mm ± 2 mm	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60$ mm \pm 0.06 mm											
0.091	4 x 10 x 12.5	0.6	391025JDA2B0	391025JDM2B0	1000	391025JDI2B0	1250	391025JD02G0	950	391025JD02W0	1400
0.100			410025JDA2B0	410025JDM2B0		410025JDI2B0		410025JD02G0		410025JD02W0	
0.110			411025JDA2B0	411025JDM2B0		411025JDI2B0		411025JD02G0		411025JD02W0	
0.120	5 x 11 x 12.5	0.82	412025JDA2B0	412025JDM2B0	1000	412025JDI2B0	1000	412025JD02G0	750	412025JD02W0	1000
0.130			413025JDA2B0	413025JDM2B0		413025JDI2B0		413025JD02G0		413025JD02W0	
0.150			415025JDA2B0	415025JDM2B0		415025JDI2B0		415025JD02G0		415025JD02W0	
0.160			416025JDA2B0	416025JDM2B0		416025JDI2B0		416025JD02G0		416025JD02W0	
0.180	6 x 12 x 12.5	1.1	418025JDA2B0	418025JDM2B0	750	418025JDI2B0	750	418025JD02G0	600	418025JD02W0	900
0.200			420025JDA2B0	420025JDM2B0		420025JDI2B0		420025JD02G0		420025JD02W0	
0.220			422025JDA2B0	422025JDM2B0		422025JDI2B0		422025JD02G0		422025JD02W0	
0.240			424025JDA2B0	424025JDM2B0		424025JDI2B0		424025JD02G0		424025JD02W0	

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SPQ = Standard Packing Quantity

U_{RDC} = 250 V; U_{RAC} = 160 V/U_{p-p} = 450 V; C-tol. = ± 5 %

C (μ F)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING							
			LOOSE IN BOX					REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5$ mm ± 0.3 mm	$l_t = 5$ mm ± 1 mm	SPQ	$l_t = 25$ mm ± 2 mm	SPQ		SPQ	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60$ mm \pm 0.06 mm										
0.13	5 x 11 x 17.5	1	413025JFP2B0	413025JFM2B0	1250	413025JFI2B0	1000	413025JF02W0	1100	
0.15			415025JFP2B0	415025JFM2B0		415025JFI2B0		415025JF02W0		
0.16			416025JFP2B0	416025JFM2B0		416025JFI2B0		416025JF02W0		
0.18			418025JFP2B0	418025JFM2B0		418025JFI2B0		418025JF02W0		
0.20			420025JFP2B0	420025JFM2B0		420025JFI2B0		420025JF02W0		
0.22			422025JFP2B0	422025JFM2B0		422025JFI2B0		422025JF02W0		
0.24			424025JFP2B0	424025JFM2B0		424025JFI2B0		424025JF02W0		
0.27	6 x 12 x 17.5	1.4	427025JFP2B0	427025JFM2B0	1000	427025JFI2B0	1000	427025JF02W0	900	
0.30			430025JFP2B0	430025JFM2B0		430025JFI2B0		430025JF02W0		
0.33			433025JFP2B0	433025JFM2B0		433025JFI2B0		433025JF02W0		
0.36			436025JFP2B0	436025JFM2B0		436025JFI2B0		436025JF02W0		
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80$ mm \pm 0.08 mm										
0.39	7 x 13.5 x 17.5	1.8	439025JFP2B0	439025JFM2B0	750	439025JFI2B0	500	439025JF02W0	850	
0.43			443025JFP2B0	443025JFM2B0		443025JFI2B0		443025JF02W0		
0.47			447025JFP2B0	447025JFM2B0		447025JFI2B0		447025JF02W0		
0.51			451025JFP2B0	451025JFM2B0		451025JFI2B0		451025JF02W0		
0.56	8.5 x 15 x 17.5	2.4	456025JFP2B0	456025JFM2B0	750	456025JFI2B0	500	456025JF02W0	650	
0.62			462025JFP2B0	462025JFM2B0		462025JFI2B0		462025JF02W0		
0.68			468025JFP2B0	468025JFM2B0		468025JFI2B0		468025JF02W0		
0.75			475025JFP2B0	475025JFM2B0		475025JFI2B0		475025JF02W0		
0.82	10 x 16.5 x 17.5	3	482025JFP2B0	482025JFM2B0	500	482025JFI2B0	450	482025JF02W0	600	
0.91			491025JFP2B0	491025JFM2B0		491025JFI2B0		491025JF02W0		
1.00			510025JFP2B0	510025JFM2B0		510025JFI2B0		510025JF02W0		

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SPQ = Standard Packing Quantity



$U_{RDC} = 250 \text{ V}$; $U_{RAC} = 160 \text{ V}$ / $U_{p-p} = 450 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.51	6 x 15.5 x 26	2.4	451025JIP2T0	451025JIM2T0	300	451025JII2B0	250	451025JIO2W0	600
0.56			456025JIP2T0	456025JIM2T0		456025JII2B0		456025JIO2W0	
0.62			462025JIP2T0	462025JIM2T0		462025JII2B0		462025JIO2W0	
0.68			468025JIP2T0	468025JIM2T0		468025JII2B0		468025JIO2W0	
0.75	7 x 16.5 x 26	2.9	475025JIP2T0	475025JIM2T0	200	475025JII2B0	250	475025JIO2W0	500
0.82			482025JIP2T0	482025JIM2T0		482025JII2B0		482025JIO2W0	
0.91			491025JIP2T0	491025JIM2T0		491025JII2B0		491025JIO2W0	
1.00			510025JIP2T0	510025JIM2T0		510025JII2B0		510025JIO2W0	
1.10	8.5 x 18 x 26	3.8	511025JIP2T0	511025JIM2T0	200	511025JII2B0	250	511025JIO2W0	450
1.20			512025JIP2T0	512025JIM2T0		512025JII2B0		512025JIO2W0	
1.30			513025JIP2T0	513025JIM2T0		513025JII2B0		513025JIO2W0	
1.50	10 x 19.5 x 26	6.8	515025JIP2T0	515025JIM2T0	200	515025JII2B0	200	515025JIO2W0	350
1.60			516025JIP2T0	516025JIM2T0		516025JII2B0		516025JIO2W0	
1.80			518025JIP2T0	518025JIM2T0		518025JII2B0		518025JIO2W0	
2.00	12 x 22 x 26	7.8	520025JIP2T0	520025JIM2T0	150	520025JII2B0	200	520025JIO2W0	300
2.20			522025JIP2T0	522025JIM2T0		522025JII2B0		522025JIO2W0	
2.40			524025JIP2T0	524025JIM2T0		524025JII2B0		524025JIO2W0	
2.70			527025JIP2T0	527025JIM2T0		527025JII2B0		527025JIO2W0	

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C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
1.0	9 x 19 x 31.5	5.5	510025JKP2T0	510025JKM2T0	100	510025JKI2B0	150	4.0	13.0
1.1			511025JKP2T0	511025JKM2T0		511025JKI2B0		5.0	12.0
1.2			512025JKP2T0	512025JKM2T0		512025JKI2B0		5.0	11.0
1.3			513025JKP2T0	513025JKM2T0		513025JKI2B0		6.0	10.0
1.5			515025JKP2T0	515025JKM2T0		515025JKI2B0		6.0	9.0
1.6			516025JKP2T0	516025JKM2T0		516025JKI2B0		6.0	8.0
1.8			518025JKP2T0	518025JKM2T0		518025JKI2B0		7.0	7.0
2.0	11 x 21 x 31	7.4	520025JKP2T0	520025JKM2T0	100	520025JKI2B0	125	8.0	7.0
2.2			522025JKP2T0	522025JKM2T0		522025JKI2B0		8.0	6.0
2.4			524025JKP2T0	524025JKM2T0		524025JKI2B0		8.0	6.0
2.7			527025JKP2T0	527025JKM2T0		527025JKI2B0		9.0	5.0
3.0	13 x 23 x 31	9.2	530025JKP2T0	530025JKM2T0	100	530025JKI2B0	125	9.0	5.0
3.3			533025JKP2T0	533025JKM2T0		533025JKI2B0		10.0	4.0
3.6			536025JKP2T0	536025JKM2T0		536025JKI2B0		10.0	4.0
3.9	15 x 25 x 31.5	12.3	539025JKP2T0	539025JKM2T0	100	539025JKI2B0	125	10.0	4.0
4.3			543025JKP2T0	543025JKM2T0		543025JKI2B0		11.0	3.0
4.7			547025JKP2T0	547025JKM2T0		547025JKI2B0		11.0	3.0
5.1	18 x 28 x 31.5	16.1	551025JKP2T0	551025JKM2T0	100	551025JKI2B0	100	11.0	3.0
5.6			556025JKP2T0	556025JKM2T0		556025JKI2B0		11.0	3.0
6.2			562025JKP2T0	562025JKM2T0		562025JKI2B0		12.0	2.0
6.8			568025JKP2T0	568025JKM2T0		568025JKI2B0		13.0	2.0
7.5	21 x 31 x 31	18.3	575025JKP2T0	575025JKM2T0	50	575025JKI2B0	75	14.0	6.0 ⁽⁴⁾
8.2			582025JKP2T0	582025JKM2T0		582025JKI2B0		15.0	5.0 ⁽⁴⁾
9.1			591025JKP2T0	591025JKM2T0		591025JKI2B0		17.0	5.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 250 \text{ V}$; $U_{RAC} = 160 \text{ V}$ / $U_{p-p} = 450 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
6.2	14.5 x 24.5 x 41.5	16.5	562025JPP2T0	562025JPM2T0	140	562025JPI2T0	140	12.0	7.0
6.8			568025JPP2T0	568025JPM2T0		568025JPI2T0		13.0	6.0
7.5			575025JPP2T0	575025JPM2T0		575025JPI2T0		14.0	6.0
8.2	16 x 28.5 x 41.5	21.5	582025JPP2T0	582025JPM2T0	125	582025JPI2T0	125	15.0	5.0
9.1			591025JPP2T0	591025JPM2T0		591025JPI2T0		17.0	5.0
10			610025JPP2T0	610025JPM2T0		610025JPI2T0		19.0	4.0
11	18 x 32.5 x 41.5	28.5	611025JPP2T0	611025JPM2T0	110	611025JPI2T0	110	21.0	4.0
12			612025JPP2T0	612025JPM2T0		612025JPI2T0		22.0	4.0
13			613025JPP2T0	613025JPM2T0		613025JPI2T0		23.0	3.0
14	18.5 x 35.5 x 43	32.5	614025JPP2T0	614025JPM2T0	105	614025JPI2T0	105	23.0	3.0
15			615025JPP2T0	615025JPM2T0		615025JPI2T0		24.0	3.0
16			616025JPP2T0	616025JPM2T0		616025JPI2T0		24.0	3.0
18	21.5 x 38.5 x 43	40	618025JPP2T0	618025JPM2T0	91	618025JPI2T0	91	24.0	2.0
20			620025JPP2T0	620025JPM2T0		620025JPI2T0		25.0	2.0
22			622025JPP2T0	622025JPM2T0		622025JPI2T0		28.0	2.0
24	24 x 44 x 42	50	624025JPP2T0	624025JPM2T0	77	624025JPI2T0	77	30.0	2.0
27			627025JPP2T0	627025JPM2T0		627025JPI2T0		34.0	2.0
30			630025JPP2T0	630025JPM2T0		630025JPI2T0		38.0	1.0
33	30 x 45 x 42	70	633025JPP2T0	633025JPM2T0	63	633025JPI2T0	63	41.0	1.0
33			633025JPP2T0	633025JPM2T0		633025JPI2T0		41.0	1.0
33			633025JPP2T0	633025JPM2T0		633025JPI2T0		41.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
11	18 x 32.5 x 41.5	28.5	611025JPP4T0	611025JPM4T0	110	611025JPI4T0	110	21.0	4.0
12			612025JPP4T0	612025JPM4T0		612025JPI4T0		22.0	4.0
13			613025JPP4T0	613025JPM4T0		613025JPI4T0		23.0	3.0
14	18.5 x 35.5 x 43	32.5	614025JPP4T0	614025JPM4T0	105	614025JPI4T0	105	23.0	3.0
15			615025JPP4T0	615025JPM4T0		615025JPI4T0		24.0	3.0
16			616025JPP4T0	616025JPM4T0		616025JPI4T0		24.0	3.0
18	21.5 x 38.5 x 43	40	618025JPP4T0	618025JPM4T0	91	618025JPI4T0	91	24.0	2.0
20			620025JPP4T0	620025JPM4T0		620025JPI4T0		25.0	2.0
22			622025JPP4T0	622025JPM4T0		622025JPI4T0		28.0	2.0
24	24 x 44 x 42	50	624025JPP4T0	624025JPM4T0	77	624025JPI4T0	77	30.0	2.0
27			627025JPP4T0	627025JPM4T0		627025JPI4T0		34.0	2.0
30			630025JPP4T0	630025JPM4T0		630025JPI4T0		38.0	1.0
33	30 x 45 x 42	70	633025JPP4T0	633025JPM4T0	63	633025JPI4T0	63	41.0	1.0
33			633025JPP4T0	633025JPM4T0		633025JPI4T0		41.0	1.0
33			633025JPP4T0	633025JPM4T0		633025JPI4T0		41.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
27	30 x 45 x 42	70	627025JPP5T0	627025JPM5T0	63	627025JPI5T0	63	34.0	2.0
30			630025JPP5T0	630025JPM5T0		630025JPI5T0		38.0	1.0
33			633025JPP5T0	633025JPM5T0		633025JPI5T0		41.0	1.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 250 \text{ V}$; $U_{RAC} = 160 \text{ V}$ / $U_{p-p} = 450 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
36	25 x 45 x 57.5	100	636025JYP2T0	636025JYM2T0	55	636025JYI2T0	55	23.0	3.0
39			639025JYP2T0	639025JYM2T0		639025JYI2T0		25.0	3.0
43	30 x 45 x 57.5	125	643025JYP2T0	643025JYM2T0	45	643025JYI2T0	45	27.0	2.0
47			647025JYP2T0	647025JYM2T0		647025JYI2T0		30.0	2.0
51	35 x 50 x 57.5	150	651025JYP2T0	651025JYM2T0	40	651025JYI2T0	40	32.0	2.0
56			656025JYP2T0	656025JYM2T0		656025JYI2T0		35.0	2.0
62			662025JYP2T0	662025JYM2T0		662025JYI2T0		39.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
36	25 x 45 x 57.5	100	636025JYP4T0	636025JYM4T0	55	636025JYI4T0	55	23.0	3.0
39			639025JYP4T0	639025JYM4T0		639025JYI4T0		25.0	3.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
43	30 x 45 x 57.5	125	643025JYP5T0	643025JYM5T0	45	643025JYI5T0	45	27.0	2.0
47			647025JYP5T0	647025JYM5T0		647025JYI5T0		30.0	2.0
51	35 x 50 x 57.5	150	651025JYP5T0	651025JYM5T0	40	651025JYI5T0	40	32.0	2.0
56			656025JYP5T0	656025JYM5T0		656025JYI5T0		35.0	2.0
62			662025JYP5T0	662025JYM5T0		662025JYI5T0		39.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 400 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 5 mm	370 V/μs
Pitch = 7.5 mm	200 V/μs
Pitch = 10 mm	230 V/μs
Pitch = 15 mm	115 V/μs
Pitch = 22.5 mm	130 V/μs
Pitch = 27.5 mm	80 V/μs
Pitch = 37.5 mm	45 V/μs
Pitch = 52.5 mm	20 V/μs
R between leads, for C ≤ 1 μF at 100 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 100 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 50 pC peak discharge	> 220 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	640 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 400 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.0043 μF < C ≤ 0.0091 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0091 μF < C ≤ 0.022 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.022 μF < C ≤ 0.043 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.043 μF < C ≤ 0.068 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.075 μF < C ≤ 0.18 μF	≤ 10 x 10 ⁻⁴	≤ 30 x 10 ⁻⁴
0.18 μF < C ≤ 0.43 μF	≤ 10 x 10 ⁻⁴	≤ 60 x 10 ⁻⁴
0.43 μF < C ≤ 0.62 μF	≤ 15 x 10 ⁻⁴	≤ 85 x 10 ⁻⁴
0.62 μF < C ≤ 1.6 μF	≤ 15 x 10 ⁻⁴	≤ 90 x 10 ⁻⁴
1.6 μF < C ≤ 2.4 μF	≤ 15 x 10 ⁻⁴	≤ 95 x 10 ⁻⁴
2.4 μF < C ≤ 3.0 μF	≤ 15 x 10 ⁻⁴	≤ 100 x 10 ⁻⁴
3.0 μF < C ≤ 15.0 μF	≤ 25 x 10 ⁻⁴	-
15.0 μF < C ≤ 27 μF	≤ 55 x 10 ⁻⁴	-



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}/U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 5.08 mm \pm 0.3 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.0043	3.5 x 8 x 7.2	0.3	243040JBA2B0	243040JBM2B0	2000	243040JBI2B0	1000	243040JB02G0	1500	243040JB02W0	1500
0.0047			247040JBA2B0	247040JBM2B0		247040JBI2B0		247040JB02G0		247040JB02W0	
0.0051			251040JBA2B0	251040JBM2B0		251040JBI2B0		251040JB02G0		251040JB02W0	
0.0056			256040JBA2B0	256040JBM2B0		256040JBI2B0		256040JB02G0		256040JB02W0	
0.0062			262040JBA2B0	262040JBM2B0		262040JBI2B0		262040JB02G0		262040JB02W0	
0.0068			268040JBA2B0	268040JBM2B0		268040JBI2B0		268040JB02G0		268040JB02W0	
0.0075			275040JBA2B0	275040JBM2B0		275040JBI2B0		275040JB02G0		275040JB02W0	
0.0082			282040JBA2B0	282040JBM2B0		282040JBI2B0		282040JB02G0		282040JB02W0	
0.0091			291040JBA2B0	291040JBM2B0		291040JBI2B0		291040JB02G0		291040JB02W0	
0.0100			310040JBA2B0	310040JBM2B0		310040JBI2B0		310040JB02G0		310040JB02W0	
0.011			311040JBA2B0	311040JBM2B0		311040JBI2B0		311040JB02G0		311040JB02W0	
0.012			312040JBA2B0	312040JBM2B0		312040JBI2B0		312040JB02G0		312040JB02W0	
0.013	4.5 x 9 x 7.2	0.42	313040JBA2B0	313040JBM2B0	2000	313040JBI2B0	1000	313040JB02G0	1000	313040JB02W0	1000
0.015			315040JBA2B0	315040JBM2B0		315040JBI2B0		315040JB02G0		315040JB02W0	
0.016			316040JBA2B0	316040JBM2B0		316040JBI2B0		316040JB02G0		316040JB02W0	
0.018			318040JBA2B0	318040JBM2B0		318040JBI2B0		318040JB02G0		318040JB02W0	
0.020	6 x 11 x 7.2	0.64	320040JBA2B0	320040JBM2B0	2000	320040JBI2B0	1000	320040JB02G0	750	320040JB02W0	1000
0.022			322040JBA2B0	322040JBM2B0		322040JBI2B0		322040JB02G0		322040JB02W0	
0.024			324040JBA2B0	324040JBM2B0		324040JBI2B0		324040JB02G0		324040JB02W0	
0.027			327040JBA2B0	327040JBM2B0		327040JBI2B0		327040JB02G0		327040JB02W0	
0.030			330040JBA2B0	330040JBM2B0		330040JBI2B0		330040JB02G0		330040JB02W0	
0.033			333040JBA2B0	333040JBM2B0		333040JBI2B0		333040JB02G0		333040JB02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}/U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.010	3 x 8 x 10	0.34	310040JCA2B0	310040JCM2B0	1500	310040JCI2B0	1000	310040JC02G0	1250	310040JC02W0	1500
0.011			311040JCA2B0	311040JCM2B0		311040JCI2B0		311040JC02G0		311040JC02W0	
0.012			312040JCA2B0	312040JCM2B0		312040JCI2B0		312040JC02G0		312040JC02W0	
0.013			313040JCA2B0	313040JCM2B0		313040JCI2B0		313040JC02G0		313040JC02W0	
0.015			315040JCA2B0	315040JCM2B0		315040JCI2B0		315040JC02G0		315040JC02W0	
0.016			316040JCA2B0	316040JCM2B0		316040JCI2B0		316040JC02G0		316040JC02W0	
0.018			318040JCA2C0	318040JCM2C0		318040JCI2C0		318040JC02G0		318040JC02W0	
0.020	4 x 9 x 10	0.45	320040JCA2B0	320040JCM2B0	1500	320040JCI2B0	1000	320040JC02G0	1250	320040JC02W0	1500
0.022			322040JCA2B0	322040JCM2B0		322040JCI2B0		322040JC02G0		322040JC02W0	
0.024			324040JCA2B0	324040JCM2B0		324040JCI2B0		324040JC02G0		324040JC02W0	
0.027			327040JCA2B0	327040JCM2B0		327040JCI2B0		327040JC02G0		327040JC02W0	
0.030			330040JCA2B0	330040JCM2B0		330040JCI2B0		330040JC02G0		330040JC02W0	
0.033			333040JCA2B0	333040JCM2B0		333040JCI2B0		333040JC02G0		333040JC02W0	
0.036			336040JCA2B0	336040JCM2B0		336040JCI2B0		336040JC02G0		336040JC02W0	
0.039	5 x 10.5 x 10	0.6	339040JCA2B0	339040JCM2B0	1000	339040JCI2B0	1250	339040JC02G0	1000	339040JC02W0	1000
0.043			343040JCA2B0	343040JCM2B0		343040JCI2B0		343040JC02G0		343040JC02W0	
0.047			347040JCA2B0	347040JCM2B0		347040JCI2B0		347040JC02G0		347040JC02W0	
0.051			351040JCA2B0	351040JCM2B0		351040JCI2B0		351040JC02G0		351040JC02W0	
0.056	6 x 11.5 x 10	0.8	356040JCA2B0	356040JCM2B0	750	356040JCI2B0	1000	356040JC02G0	750	356040JC02W0	500
0.062			362040JCA2B0	362040JCM2B0		362040JCI2B0		362040JC02G0		362040JC02W0	
0.068			368040JCA2B0	368040JCM2B0		368040JCI2B0		368040JC02G0		368040JC02W0	
0.075			375040JCA2B0	375040JCM2B0		375040JCI2B0		375040JC02G0		375040JC02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 400\text{ V}$; $U_{RAC} = 200\text{ V}/U_{p-p} = 560\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING										
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾						
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ					
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm													
0.022	4 x 12 x 12.5	0.6	322040JC02H0	1300	322040JC02R0	2000	-	-					
0.024			324040JC02H0		324040JC02R0								
0.027			327040JC02H0		327040JC02R0								
0.030			330040JC02H0		330040JC02R0								
0.033			333040JC02H0		333040JC02R0								
0.036			336040JC02H0		336040JC02R0								
0.039			339040JC02H0		339040JC02R0								
0.043			343040JC02H0		343040JC02R0								
0.047			347040JC02H0		347040JC02R0								
0.051			351040JC02H0		351040JC02R0								
0.056			5 x 13.5 x 12.5		0.8				356040JC02H0	1000	356040JC02R0	1900	-
0.062	362040JC02H0	362040JC02R0											
0.068	368040JC02H0	368040JC02R0											
0.075	375040JC02H0	375040JC02R0											
0.082	6 x 14 x 12.5	1.1	382040JC02H0	850	382040JC02R0	1500	-	-					
0.091			391040JC02H0		391040JC02R0								
0.100			410040JC02H0		410040JC02R0								
0.110			411040JC02H0		411040JC02R0								
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm													
0.047	5 x 13 x 17.5	1	-	-	347040JC02R1	950	347040JC02Z0	550					
0.051			351040JC02R1		351040JC02Z0								
0.056			356040JC02R1		356040JC02Z0								
0.062			362040JC02R1		362040JC02Z0								
0.068			368040JC02R1		368040JC02Z0								
0.075			375040JC02R1		375040JC02Z0								
0.082			482025JC02R1		482025JC02Z0								
0.091			391040JC02R1		391040JC02Z0								
0.100			410040JC02R1		410040JC02Z0								
0.110			411040JC02R1		411040JC02Z0								
0.120			412040JC02R1		412040JC02Z0								
0.130			6 x 14 x 17.5		1.4		-		-	413040JC02R1	800	413040JC02Z0	450
0.150							415040JC02R1			415040JC02Z0			
0.160	416040JC02R1	416040JC02Z0											
0.180	418040JC02R1	418040JC02Z0											
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm													
0.200	7 x 15.5 x 17.5	1.8	-	-	420040JC02R1	700	420040JC02Z0	400					
0.220			422040JC02R1		422040JC02Z0								
0.240			424040JC02R1		424040JC02Z0								
0.270	8.5 x 17 x 17.5	2.4	-	-	427040JC02R1	550	427040JC02Z0	300					
0.300			430040JC02R1		430040JC02Z0								
0.330			433040JC02R1		433040JC02Z0								
0.360			436040JC02R1		436040JC02Z0								
0.390	10 x 18.5 x 17.5	3	-	-	439040JC02R1	500	439040JC02Z0	250					
0.430			443040JC02R1		443040JC02Z0								
0.470			447040JC02R1		447040JC02Z0								

Notes

⁽¹⁾ H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

⁽²⁾ Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}$ / $U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.022	4 x 10 x 12.5	0.6	322040JDA2B0	322040JDM2B0	1000	322040JDI2B0	1250	322040JD02G0	950	322040JD02W0	1400
0.024			324040JDA2B0	324040JDM2B0		324040JDI2B0		324040JD02G0		324040JD02W0	
0.027			327040JDA2B0	327040JDM2B0		327040JDI2B0		327040JD02G0		327040JD02W0	
0.030			330040JDA2B0	330040JDM2B0		330040JDI2B0		330040JD02G0		330040JD02W0	
0.033			333040JDA2B0	333040JDM2B0		333040JDI2B0		333040JD02G0		333040JD02W0	
0.036			336040JDA2B0	336040JDM2B0		336040JDI2B0		336040JD02G0		336040JD02W0	
0.039			339040JDA2B0	339040JDM2B0		339040JDI2B0		339040JD02G0		339040JD02W0	
0.043			343040JDA2B0	343040JDM2B0		343040JDI2B0		343040JD02G0		343040JD02W0	
0.047			347040JDA2B0	347040JDM2B0		347040JDI2B0		347040JD02G0		347040JD02W0	
0.051			351040JDA2B0	351040JDM2B0		351040JDI2B0		351040JD02G0		351040JD02W0	
0.056	5 x 11.5 x 12.5	0.8	356040JDA2B0	356040JDM2B0	1000	356040JDI2B0	1000	356040JD02G0	750	356040JD02W0	1000
0.062			362040JDA2B0	362040JDM2B0		362040JDI2B0		362040JD02G0		362040JD02W0	
0.068			368040JDA2B0	368040JDM2B0		368040JDI2B0		368040JD02G0		368040JD02W0	
0.075			375040JDA2B0	375040JDM2B0		375040JDI2B0		375040JD02G0		375040JD02W0	
0.082	6 x 12 x 12.5	1.1	382040JDA2B0	382040JDM2B0	750	382040JDI2B0	750	382040JD02G0	600	382040JD02W0	900
0.091			391040JDA2B0	391040JDM2B0		391040JDI2B0		391040JD02G0		391040JD02W0	
0.100			410040JDA2B0	410040JDM2B0		410040JDI2B0		410040JD02G0		410040JD02W0	
0.110			411040JDA2B0	411040JDM2B0		411040JDI2B0		411040JD02G0		411040JD02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}$ / $U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$									
0.047	5 x 11 x 17.5	1	347040JFP2B0	347040JFM2B0	1250	347040JFI2B0	1000	347040JF02W0	1100
0.051			351040JFP2B0	351040JFM2B0		351040JFI2B0		351040JF02W0	
0.056			356040JFP2B0	356040JFM2B0		356040JFI2B0		356040JF02W0	
0.062			362040JFP2B0	362040JFM2B0		362040JFI2B0		362040JF02W0	
0.068			368040JFP2B0	368040JFM2B0		368040JFI2B0		368040JF02W0	
0.075			375040JFP2B0	375040JFM2B0		375040JFI2B0		375040JF02W0	
0.082			382040JFP2B0	382040JFM2B0		382040JFI2B0		482025JF02W0	
0.091			391040JFP2B0	391040JFM2B0		391040JFI2B0		391040JF02W0	
0.100			410040JFP2B0	410040JFM2B0		410040JFI2B0		410040JF02W0	
0.110			411040JFP2B0	411040JFM2B0		411040JFI2B0		411040JF02W0	
0.120			412040JFP2B0	412040JFM2B0		412040JFI2B0		412040JF02W0	
0.130			6 x 12 x 17.5	1.4		413040JFP2B0		413040JFM2B0	
0.150	415040JFP2B0	415040JFM2B0			415040JFI2B0	415040JF02W0			
0.160	416040JFP2B0	416040JFM2B0			416040JFI2B0	416040JF02W0			
0.180	418040JFP2B0	418040JFM2B0			418040JFI2B0	418040JF02W0			
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.200	7 x 13.5 x 17.5	1.8	420040JFP2B0	420040JFM2B0	1000	420040JFI2B0	500	420040JF02W0	850
0.220			422040JFP2B0	422040JFM2B0		422040JFI2B0		422040JF02W0	
0.240			424040JFP2B0	424040JFM2B0		424040JFI2B0		424040JF02W0	
0.270	8.5 x 15 x 17.5	2.4	427040JFP2B0	427040JFM2B0	1000	427040JFI2B0	500	427040JF02W0	650
0.300			430040JFP2B0	430040JFM2B0		430040JFI2B0		430040JF02W0	
0.330			433040JFP2B0	433040JFM2B0		433040JFI2B0		433040JF02W0	
0.360			436040JFP2B0	436040JFM2B0		436040JFI2B0		436040JF02W0	
0.390	10 x 16.5 x 17.5	3	439040JFP2B0	439040JFM2B0	500	439040JFI2B0	450	439040JF02W0	600
0.430			443040JFP2B0	443040JFM2B0		443040JFI2B0		443040JF02W0	
0.470			447040JFP2B0	447040JFM2B0		447040JFI2B0		447040JF02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}$ / $U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.20	6 x 15.5 x 26	2.4	420040JIP2T0	420040JIM2T0	300	420040JII2B0	250	420040JI02W0	600
0.22			422040JIP2T0	422040JIM2T0		422040JII2B0		422040JI02W0	
0.24			424040JIP2T0	424040JIM2T0		424040JII2B0		424040JI02W0	
0.27			427040JIP2T0	427040JIM2T0		427040JII2B0		427040JI02W0	
0.30			430040JIP2T0	430040JIM2T0		430040JII2B0		430040JI02W0	
0.33			433040JIP2T0	433040JIM2T0		433040JII2B0		433040JI02W0	
0.36	7 x 16.5 x 26	2.9	436040JIP2T0	436040JIM2T0	200	436040JII2B0	250	436040JI02W0	500
0.39			439040JIP2T0	439040JIM2T0		439040JII2B0		439040JI02W0	
0.43			443040JIP2T0	443040JIM2T0		443040JII2B0		443040JI02W0	
0.47			447040JIP2T0	447040JIM2T0		447040JII2B0		447040JI02W0	
0.51	8.5 x 18 x 26	3.8	451040JIP2T0	451040JIM2T0	200	451040JII2B0	250	451040JI02W0	450
0.56			456040JIP2T0	456040JIM2T0		456040JII2B0		456040JI02W0	
0.62			462040JIP2T0	462040JIM2T0		462040JII2B0		462040JI02W0	
0.68			468040JIP2T0	468040JIM2T0		468040JII2B0		468040JI02W0	
0.75	10 x 19.5 x 26	6.8	475040JIP2T0	475040JIM2T0	200	475040JII2B0	200	475040JI02W0	350
0.82			482040JIP2T0	482040JIM2T0		482040JII2B0		482040JI02W0	
0.91			491040JIP2T0	491040JIM2T0		491040JII2B0		491040JI02W0	
1.00			510040JIP2T0	510040JIM2T0		510040JII2B0		510040JI02W0	
1.10	12 x 22 x 26	7.8	511040JIP2T0	511040JIM2T0	150	511040JII2B0	200	511040JI02W0	300
1.20			512040JIP2T0	512040JIM2T0		512040JII2B0		512040JI02W0	
1.30			513040JIP2T0	513040JIM2T0		513040JII2B0		513040JI02W0	

Notes

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SPQ = Standard Packing Quantity



$U_{RDC} = 400\text{ V}$; $U_{RAC} = 200\text{ V}/U_{p-p} = 560\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.47	9 x 19 x 31.5	5.5	447040JKP2T0	447040JKM2T0	100	447040JKI2B0	150	3.0	19.0
0.51			451040JKP2T0	451040JKM2T0		451040JKI2B0		3.0	18.0
0.56			456040JKP2T0	456040JKM2T0		456040JKI2B0		4.0	16.0
0.62			462040JKP2T0	462040JKM2T0		462040JKI2B0		4.0	14.0
0.68			468040JKP2T0	468040JKM2T0		468040JKI2B0		4.0	14.0
0.75			475040JKP2T0	475040JKM2T0		475040JKI2B0		5.0	13.0
0.82			482040JKP2T0	482040JKM2T0		482040JKI2B0		5.0	12.0
0.91	11 x 21 x 31	7.4	491040JKP2T0	491040JKM2T0	100	491040JKI2B0	125	5.0	10.0
1.00			510040JKP2T0	510040JKM2T0		510040JKI2B0		6.0	9.0
1.10			511040JKP2T0	511040JKM2T0		511040JKI2B0		6.0	9.0
1.20			512040JKP2T0	512040JKM2T0		512040JKI2B0		6.0	8.0
1.30			513040JKP2T0	513040JKM2T0		513040JKI2B0		6.0	7.0
1.50	13 x 23 x 31	9.2	515040JKP2T0	515040JKM2T0	100	515040JKI2B0	125	7.0	6.0
1.60			516040JKP2T0	516040JKM2T0		516040JKI2B0		7.0	6.0
1.80			518040JKP2T0	518040JKM2T0		518040JKI2B0		7.0	5.0
2.00	15 x 25 x 31.5	12.3	520040JKP2T0	520040JKM2T0	100	520040JKI2B0	125	7.0	5.0
2.20			522040JKP2T0	522040JKM2T0		522040JKI2B0		7.0	4.0
2.40	18 x 28 x 31.5	16.1	524040JKP2T0	524040JKM2T0	100	524040JKI2B0	100	8.0	4.0
2.70			527040JKP2T0	527040JKM2T0		527040JKI2B0		9.0	4.0
3.00			530040JKP2T0	530040JKM2T0		530040JKI2B0		9.0	4.0
3.30			533040JKP2T0	533040JKM2T0		533040JKI2B0		10.0	2.0
3.60	21 x 31 x 31	18.3	536040JKP2T0	536040JKM2T0	50	536040JKI2B0	75	11.0	2.0
3.90			539040JKP2T0	539040JKM2T0		539040JKI2B0		12.0	2.0
4.30			543040JKP2T0	543040JKM2T0		543040JKI2B0		14.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}/U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
3.3	14.5 x 24.5 x 41.5	16.5	533040JPP2T0	533040JPM2T0	140	533040JPI2T0	140	10.0	4.0
3.6	16 x 28.5 x 41.5	21.5	536040JPP2T0	536040JPM2T0	125	536040JPI2T0	125	11.0	3.0
3.9			539040JPP2T0	539040JPM2T0		539040JPI2T0		12.0	3.0
4.3			543040JPP2T0	543040JPM2T0		543040JPI2T0		14.0	3.0
4.7	18 x 32.5 x 41.5	28.5	547040JPP2T0	547040JPM2T0	110	547040JPI2T0	110	15.0	3.0
5.1			551040JPP2T0	551040JPM2T0		551040JPI2T0		16.0	2.0
5.6			556040JPP2T0	556040JPM2T0		556040JPI2T0		16.0	5.0 ⁽⁴⁾
6.2			562040JPP2T0	562040JPM2T0		562040JPI2T0		16.0	4.0 ⁽⁴⁾
6.8	21.5 x 38.5 x 43	40	568040JPP2T0	568040JPM2T0	91	568040JPI2T0	91	17.0	4.0 ⁽⁴⁾
7.5			575040JPP2T0	575040JPM2T0		575040JPI2T0		19.0	4.0 ⁽⁴⁾
8.2			582040JPP2T0	582040JPM2T0		582040JPI2T0		21.0	3.0 ⁽⁴⁾
9.1	24 x 44 x 42	50	591040JPP2T0	591040JPM2T0	77	591040JPI2T0	77	23.0	3.0 ⁽⁴⁾
10			610040JPP2T0	610040JPM2T0		610040JPI2T0		24.0	3.0 ⁽⁴⁾
11			611040JPP2T0	611040JPM2T0		611040JPI2T0		24.0	2.0 ⁽⁴⁾
12	30 x 45 x 42	70	612040JPP2T0	612040JPM2T0	63	612040JPI2T0	63	24.0	2.0 ⁽⁴⁾
13			613040JPP2T0	613040JPM2T0		613040JPI2T0		25.0	2.0 ⁽⁴⁾
15			615040JPP2T0	615040JPM2T0		615040JPI2T0		28.0	2.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
4.7	18 x 32.5 x 41.5	28.5	547040JPP4T0	547040JPM4T0	110	547040JPI4T0	110	15.0	3.0
5.1			551040JPP4T0	551040JPM4T0		551040JPI4T0		16.0	2.0
5.6			556040JPP4T0	556040JPM4T0		556040JPI4T0		16.0	5.0 ⁽⁴⁾
6.2			562040JPP4T0	562040JPM4T0		562040JPI4T0		16.0	4.0 ⁽⁴⁾
6.8	21.5 x 38.5 x 43	40	568040JPP4T0	568040JPM4T0	91	568040JPI4T0	91	17.0	4.0 ⁽⁴⁾
7.5			575040JPP4T0	575040JPM4T0		575040JPI4T0		19.0	4.0 ⁽⁴⁾
8.2			582040JPP4T0	582040JPM4T0		582040JPI4T0		21.0	3.0 ⁽⁴⁾
9.1	24 x 44 x 42	50	591040JPP4T0	591040JPM4T0	77	591040JPI4T0	77	23.0	3.0 ⁽⁴⁾
10			610040JPP4T0	610040JPM4T0		610040JPI4T0		24.0	3.0 ⁽⁴⁾
11			611040JPP4T0	611040JPM4T0		611040JPI4T0		24.0	2.0 ⁽⁴⁾
12	30 x 45 x 42	70	612040JPP4T0	612040JPM4T0	63	612040JPI4T0	63	24.0	2.0 ⁽⁴⁾
13			613040JPP4T0	613040JPM4T0		613040JPI4T0		25.0	2.0 ⁽⁴⁾
15			615040JPP4T0	615040JPM4T0		615040JPI4T0		28.0	2.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
12	30 x 45 x 42	70	612040JPP5T0	612040JPM5T0	63	612040JPI5T0	63	24.0	2.0 ⁽⁴⁾
13			613040JPP5T0	613040JPM5T0		613040JPI5T0		25.0	2.0 ⁽⁴⁾
15			615040JPP5T0	615040JPM5T0		615040JPI5T0		28.0	2.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 400 \text{ V}$; $U_{RAC} = 200 \text{ V}/U_{p-p} = 560 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
16	25 x 45 x 57.5	100	616040JYP2T0	616040JYM2T0	55	616040JYI2T0	55	30.0	4.0
18	30 x 45 x 57.5	125	618040JYP2T0	618040JYM2T0	45	618040JYI2T0	45	34.0	3.0
20			620040JYP2T0	620040JYM2T0		620040JYI2T0		34.0	3.0
22	35 x 50 x 57.5	150	622040JYP2T0	622040JYM2T0	40	622040JYI2T0	40	35.0	3.0
24			624040JYP2T0	624040JYM2T0		624040JYI2T0		35.0	2.0
27			627040JYP2T0	627040JYM2T0		627040JYI2T0		36.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
16	25 x 45 x 57.5	100	616040JYP4T0	616040JYM4T0	55	616040JYI4T0	55	30.0	4.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
18	30 x 45 x 57.5	125	618040JYP5T0	618040JYM5T0	45	618040JYI5T0	45	34.0	3.0
20			620040JYP5T0	620040JYM5T0		620040JYI5T0		34.0	3.0
22	35 x 50 x 57.5	150	622040JYP5T0	622040JYM5T0	40	622040JYI5T0	40	35.0	3.0
24			624040JYP5T0	624040JYM5T0		624040JYI5T0		35.0	2.0
27			627040JYP5T0	627040JYM5T0		627040JYI5T0		36.0	2.0

Notes

- ⁽¹⁾ Weight for short lead product only
SPQ = Standard Packing Quantity
- ⁽²⁾ Maximum RMS current at 100 kHz, + 85 °C
- ⁽³⁾ The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 630 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 5 mm	420 V/μs
Pitch = 7.5 mm	230 V/μs
Pitch = 10 mm	260 V/μs
Pitch = 15 mm	130 V/μs
Pitch = 22.5 mm	150 V/μs
Pitch = 27.5 mm	90 V/μs
Pitch = 37.5 mm	50 V/μs
Pitch = 52.5 mm	25 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 500 V; 1 min	> 100 000 S
R between leads and case; 100 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 50 pC peak discharge	> 250 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	1008 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

(1) See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 630 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.003 μF < C ≤ 0.0039 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0039 μF < C ≤ 0.024 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.024 μF < C ≤ 0.043 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.043 μF < C ≤ 0.11 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.11 μF < C ≤ 0.24 μF	≤ 10 x 10 ⁻⁴	≤ 45 x 10 ⁻⁴
0.24 μF < C ≤ 1.2 μF	≤ 10 x 10 ⁻⁴	≤ 70 x 10 ⁻⁴
1.2 μF < C ≤ 2.2 μF	≤ 15 x 10 ⁻⁴	≤ 75 x 10 ⁻⁴
2.2 μF < C ≤ 8.2 μF	≤ 20 x 10 ⁻⁴	-
8.2 μF < C ≤ 15 μF	≤ 50 x 10 ⁻⁴	-



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 5.08 mm \pm 0.3 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.0015	3.5 x 8 x 7.2	0.3	215063JBA2B0	215063JBM2B0	2000	215063JBI2B0	1000	215063JB02G0	1500	215063JB02W0	1500
0.0016			216063JBA2B0	216063JBM2B0		216063JBI2B0		216063JB02G0		216063JB02W0	
0.0018			218063JBA2B0	218063JBM2B0		218063JBI2B0		218063JB02G0		218063JB02W0	
0.0020			220063JBA2B0	220063JBM2B0		220063JBI2B0		220063JB02G0		220063JB02W0	
0.0022			222063JBA2B0	222063JBM2B0		222063JBI2B0		222063JB02G0		222063JB02W0	
0.0024			224063JBA2B0	224063JBM2B0		224063JBI2B0		224063JB02G0		224063JB02W0	
0.0027			227063JBA2B0	227063JBM2B0		227063JBI2B0		227063JB02G0		227063JB02W0	
0.0030			230063JBA2B0	230063JBM2B0		230063JBI2B0		230063JB02G0		230063JB02W0	
0.0033			233063JBA2B0	233063JBM2B0		233063JBI2B0		233063JB02G0		233063JB02W0	
0.0036			236063JBA2B0	236063JBM2B0		236063JBI2B0		236063JB02G0		236063JB02W0	
0.0039			239063JBA2B0	239063JBM2B0		239063JBI2B0		239063JB02G0		239063JB02W0	
0.0043			243063JBA2B0	243063JBM2B0		243063JBI2B0		243063JB02G0		243063JB02W0	
0.0047			247063JBA2B0	247063JBM2B0		247063JBI2B0		247063JB02G0		247063JB02W0	
0.0051			251063JBA2B0	251063JBM2B0		251063JBI2B0		251063JB02G0		251063JB02W0	
0.0056			256063JBA2B0	256063JBM2B0		256063JBI2B0		256063JB02G0		256063JB02W0	
0.0062			262063JBA2B0	262063JBM2B0		262063JBI2B0		262063JB02G0		262063JB02W0	
0.0068			268063JBA2B0	268063JBM2B0		268063JBI2B0		268063JB02G0		268063JB02W0	
0.0075			4.5 x 9 x 7.2	0.42		275063JBA2B0		275063JBM2B0		2000	
0.0082	282063JBA2B0	282063JBM2B0			282063JBI2B0	282063JB02G0	282063JB02W0				
0.0091	291063JBA2B0	291063JBM2B0			291063JBI2B0	291063JB02G0	291063JB02W0				
0.0100	310063JBA2B0	310063JBM2B0			310063JBI2B0	310063JB02G0	310063JB02W0				
0.0110	6 x 11 x 7.2	0.64	311063JBA2B0	311063JBM2B0	2000	311063JBI2B0	1000	311063JB02G0	750	311063JB02W0	1000
0.0120			312063JBA2B0	312063JBM2B0		312063JBI2B0		312063JB02G0		312063JB02W0	
0.0130			313063JBA2B0	313063JBM2B0		313063JBI2B0		313063JB02G0		313063JB02W0	
0.0150			315063JBA2B0	315063JBM2B0		315063JBI2B0		315063JB02G0		315063JB02W0	
0.0160			316063JBA2B0	316063JBM2B0		316063JBI2B0		316063JB02G0		316063JB02W0	
0.0180			318063JBA2B0	318063JBM2B0		318063JBI2B0		318063JB02G0		318063JB02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.0033	3 x 8 x 10	0.34	233063JCA2B0	233063JCM2B0	1500	233063JCI2B0	1000	233063JC02G0	1250	233063JC02W0	1500
0.0036			236063JCA2B0	236063JCM2B0		236063JCI2B0		236063JC02G0		236063JC02W0	
0.0039			239063JCA2B0	239063JCM2B0		239063JCI2B0		239063JC02G0		239063JC02W0	
0.0043			243063JCA2B0	243063JCM2B0		243063JCI2B0		243063JC02G0		243063JC02W0	
0.0047			247063JCA2B0	247063JCM2B0		247063JCI2B0		247063JC02G0		247063JC02W0	
0.0051			251063JCA2B0	251063JCM2B0		251063JCI2B0		251063JC02G0		251063JC02W0	
0.0056			256063JCA2B0	256063JCM2B0		256063JCI2B0		256063JC02G0		256063JC02W0	
0.0062			262063JCA2B0	262063JCM2B0		262063JCI2B0		262063JC02G0		262063JC02W0	
0.0068			268063JCA2B0	268063JCM2B0		268063JCI2B0		268063JC02G0		268063JC02W0	
0.0075			275063JCA2B0	275063JCM2B0		275063JCI2B0		275063JC02G0		275063JC02W0	
0.0082			282063JCA2B0	282063JCM2B0		282063JCI2B0		282063JC02G0		282063JC02W0	
0.0091			291063JCA2B0	291063JCM2B0		291063JCI2B0		291063JC02G0		291063JC02W0	
0.0100			310063JCA2B0	310063JCM2B0		310063JCI2B0		310063JC02G0		310063JC02W0	
0.0110	4 x 9 x 10	0.45	311063JCA2B0	311063JCM2B0	1500	311063JCI2B0	1000	311063JC02G0	1250	311063JC02W0	1500
0.0120			312063JCA2B0	312063JCM2B0		312063JCI2B0		312063JC02G0		312063JC02W0	
0.0130			313063JCA2B0	313063JCM2B0		313063JCI2B0		313063JC02G0		313063JC02W0	
0.0150			315063JCA2B0	315063JCM2B0		315063JCI2B0		315063JC02G0		315063JC02W0	
0.0160			316063JCA2B0	316063JCM2B0		316063JCI2B0		316063JC02G0		316063JC02W0	
0.0180			318063JCA2B0	318063JCM2B0		318063JCI2B0		318063JC02G0		318063JC02W0	
0.0200			320063JCA2B0	320063JCM2B0		320063JCI2B0		320063JC02G0		320063JC02W0	
0.0220	5 x 10.5 x 10	0.6	322063JCA2B0	322063JCM2B0	1000	322063JCI2B0	1250	322063JC02G0	1000	322063JC02W0	1000
0.0240			324063JCA2B0	324063JCM2B0		324063JCI2B0		324063JC02G0		324063JC02W0	
0.0270			327063JCA2B0	327063JCM2B0		327063JCI2B0		327063JC02G0		327063JC02W0	
0.0300	6 x 11.5 x 10	0.8	330063JCA2B0	330063JCM2B0	750	330063JCI2B0	1000	330063JC02G0	750	330063JC02W0	500
0.0330			333063JCA2B0	333063JCM2B0		333063JCI2B0		333063JC02G0		333063JC02W0	
0.0360			336063JCA2B0	336063JCM2B0		336063JCI2B0		336063JC02G0		336063JC02W0	
0.0390			339063JCA2B0	339063JCM2B0		339063JCI2B0		339063JC02G0		339063JC02W0	

Notes

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- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 630 V$; $U_{RAC} = 220 V/U_{p-p} = 620 V$; C-tol. = $\pm 5 \%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING										
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾						
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ					
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm													
0.020	4 x 12 x 12.5	0.6	320063JC02H0	1300	320063JC02R0	2000	-	-					
0.022			322063JC02H0		322063JC02R0								
0.024			324063JC02H0		324063JC02R0								
0.027			327063JC02H0		327063JC02R0								
0.030			330063JC02H0		330063JC02R0								
0.033	5 x 13 x 12.5	0.8	333063JC02H0	1000	333063JC02R0	1900	-	-					
0.036			336063JC02H0		336063JC02R0								
0.039			339063JC02H0		339063JC02R0								
0.043			343063JC02H0		343063JC02R0								
0.047	6 x 14 x 12.5	1.1	347063JC02H0	850	347063JC02R0	1500	-	-					
0.051			351063JC02H0		351063JC02R0								
0.056			356063JC02H0		356063JC02R0								
0.062			362063JC02H0		362063JC02R0								
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm													
0.027	5 x 13 x 17.5	1	-	-	327063JC02R1	950	327063JC02Z0	550					
0.030			330063JC02R1		330063JC02Z0								
0.033			333063JC02R1		333063JC02Z0								
0.036			336063JC02R1		336063JC02Z0								
0.039			339063JC02R1		339063JC02Z0								
0.043			343063JC02R1		343063JC02Z0								
0.047			347063JC02R1		347063JC02Z0								
0.051			351063JC02R1		351063JC02Z0								
0.056			356063JC02R1		356063JC02Z0								
0.062			362063JC02R1		362063JC02Z0								
0.068			368063JC02R1		368063JC02Z0								
0.075			6 x 14 x 17.5		1.4		-		-	375063JC02R1	800	375063JC02Z0	450
0.082							382063JC02R1			382063JC02Z0			
0.091	391063JC02R1	391063JC02Z0											
0.100	410063JC02R1	410063JC02Z0											
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm													
0.110	7 x 15.5 x 17.5	1.8	-	-	411063JC02R1	700	411063JC02Z0	400					
0.120			412063JC02R1		412063JC02Z0								
0.130			413063JC02R1		413063JC02Z0								
0.150	8.5 x 17 x 17.5	2.4	-	-	415063JC02R1	550	415063JC02Z0	300					
0.160			416063JC02R1		416063JC02Z0								
0.180			418063JC02R1		418063JC02Z0								
0.200			420063JC02R1		420063JC02Z0								
0.220	10 x 18.5 x 17.5	3	-	-	422063JC02R1	500	422063JC02Z0	250					
0.240			424063JC02R1		424063JC02Z0								
0.270			427063JC02R1		427063JC02Z0								

Notes

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- (2) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.020	4 x 10 x 12.5	0.6	320063JDA2B0	320063JDM2B0	1000	320063JDI2B0	1250	320063JD02G0	950	320063JD02W0	1400
0.022			322063JDA2B0	322063JDM2B0		322063JDI2B0		322063JD02G0		322063JD02W0	
0.024			324063JDA2B0	324063JDM2B0		324063JDI2B0		324063JD02G0		324063JD02W0	
0.027			327063JDA2B0	327063JDM2B0		327063JDI2B0		327063JD02G0		327063JD02W0	
0.030			330063JDA2B0	330063JDM2B0		330063JDI2B0		330063JD02G0		330063JD02W0	
0.033	5 x 11 x 12.5	0.8	333063JDA2B0	333063JDM2B0	1000	333063JDI2B0	1000	333063JD02G0	750	333063JD02W0	1000
0.036			336063JDA2B0	336063JDM2B0		336063JDI2B0		336063JD02G0		336063JD02W0	
0.039			339063JDA2B0	339063JDM2B0		339063JDI2B0		339063JD02G0		339063JD02W0	
0.043			343063JDA2B0	343063JDM2B0		343063JDI2B0		343063JD02G0		343063JD02W0	
0.047	6 x 12 x 12.5	1.1	347063JDA2B0	347063JDM2B0	750	347063JDI2B0	750	347063JD02G0	600	347063JD02W0	900
0.051			351063JDA2B0	351063JDM2B0		351063JDI2B0		351063JD02G0		351063JD02W0	
0.056			356063JDA2B0	356063JDM2B0		356063JDI2B0		356063JD02G0		356063JD02W0	
0.062			362063JDA2B0	362063JDM2B0		362063JDI2B0		362063JD02G0		362063JD02W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$									
0.027	5 x 11 x 17.5	1	327063JFP2B0	327063JFM2B0	1250	327063JFI2B0	1000	327063JF02W0	1100
0.030			330063JFP2B0	330063JFM2B0		330063JFI2B0		330063JF02W0	
0.033			333063JFP2B0	333063JFM2B0		333063JFI2B0		333063JF02W0	
0.036			336063JFP2B0	336063JFM2B0		336063JFI2B0		336063JF02W0	
0.039			339063JFP2B0	339063JFM2B0		339063JFI2B0		339063JF02W0	
0.043			343063JFP2B0	343063JFM2B0		343063JFI2B0		343063JF02W0	
0.047			347063JFP2B0	347063JFM2B0		347063JFI2B0		347063JF02W0	
0.051			351063JFP2B0	351063JFM2B0		351063JFI2B0		351063JF02W0	
0.056			356063JFP2B0	356063JFM2B0		356063JFI2B0		356063JF02W0	
0.062			362063JFP2B0	362063JFM2B0		362063JFI2B0		362063JF02W0	
0.068			368063JFP2B0	368063JFM2B0		368063JFI2B0		368063JF02W0	
0.075	6 x 12 x 17.5	1.4	375063JFP2B0	375063JFM2B0	1000	375063JFI2B0	1000	375063JF02W0	900
0.082			382063JFP2B0	382063JFM2B0		382063JFI2B0		382063JF02W0	
0.091			391063JFP2B0	391063JFM2B0		391063JFI2B0		391063JF02W0	
0.100			410063JFP2B0	410063JFM2B0		410063JFI2B0		410063JF02W0	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.110	7 x 13.5 x 17.5	1.8	411063JFP2B0	411063JFM2B0	750	411063JFI2B0	500	411063JF02W0	850
0.120			412063JFP2B0	412063JFM2B0		412063JFI2B0		412063JF02W0	
0.130			413063JFP2B0	413063JFM2B0		413063JFI2B0		413063JF02W0	
0.150	8.5 x 15 x 17.5	2.4	415063JFP2B0	415063JFM2B0	750	415063JFI2B0	500	415063JF02W0	650
0.160			416063JFP2B0	416063JFM2B0		416063JFI2B0		416063JF02W0	
0.180			418063JFP2B0	418063JFM2B0		418063JFI2B0		418063JF02W0	
0.200			420063JFP2B0	420063JFM2B0		420063JFI2B0		420063JF02W0	
0.220	10 x 16.5 x 17.5	3	422063JFP2B0	422063JFM2B0	500	422063JFI2B0	450	422063JF02W0	600
0.240			424063JFP2B0	424063JFM2B0		424063JFI2B0		424063JF02W0	
0.270			427063JFP2B0	427063JFM2B0		427063JFI2B0		427063JF02W0	

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.12	6 x 15.5 x 26	2.4	412063JIP2T0	412063JIM2T0	300	412063JII2B0	250	412063JIO2W0	600
0.13			413063JIP2T0	413063JIM2T0		413063JII2B0		413063JIO2W0	
0.15			415063JIP2T0	415063JIM2T0		415063JII2B0		415063JIO2W0	
0.16			416063JIP2T0	416063JIM2T0		416063JII2B0		416063JIO2W0	
0.18			418063JIP2T0	418063JIM2T0		418063JII2B0		418063JIO2W0	
0.20	7 x 16.5 x 26	2.9	420063JIP2T0	420063JIM2T0	200	420063JII2B0	250	420063JIO2W0	500
0.22			422063JIP2T0	422063JIM2T0		422063JII2B0		422063JIO2W0	
0.24			424063JIP2T0	424063JIM2T0		424063JII2B0		424063JIO2W0	
0.27	8.5 x 18 x 26	3.8	427063JIP2T0	427063JIM2T0	200	427063JII2B0	250	427063JIO2W0	450
0.30			430063JIP2T0	430063JIM2T0		430063JII2B0		430063JIO2W0	
0.33			433063JIP2T0	433063JIM2T0		433063JII2B0		433063JIO2W0	
0.36			436063JIP2T0	436063JIM2T0		436063JII2B0		436063JIO2W0	
0.39			439063JIP2T0	439063JIM2T0		439063JII2B0		439063JIO2W0	
0.43	10 x 19.5 x 26	6.8	443063JIP2T0	443063JIM2T0	200	443063JII2B0	200	443063JIO2W0	350
0.47			447063JIP2T0	447063JIM2T0		447063JII2B0		447063JIO2W0	
0.51			451063JIP2T0	451063JIM2T0		451063JII2B0		451063JIO2W0	
0.56	12 x 22 x 26	7.8	456063JIP2T0	456063JIM2T0	150	456063JII2B0	200	456063JIO2W0	300
0.62			462063JIP2T0	462063JIM2T0		462063JII2B0		462063JIO2W0	
0.68			468063JIP2T0	468063JIM2T0		468063JII2B0		468063JIO2W0	

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$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}/U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.27	9 x 19 x 31.5	5.5	427063JKP2T0	427063JKM2T0	100	427063JKI2B0	150	3.0	27.0
0.30			430063JKP2T0	430063JKM2T0		430063JKI2B0		3.0	25.0
0.33			433063JKP2T0	433063JKM2T0		433063JKI2B0		4.0	22.0
0.36			436063JKP2T0	436063JKM2T0		436063JKI2B0		4.0	20.0
0.39			439063JKP2T0	439063JKM2T0		439063JKI2B0		4.0	19.0
0.43			443063JKP2T0	443063JKM2T0		443063JKI2B0		4.0	17.0
0.47			447063JKP2T0	447063JKM2T0		447063JKI2B0		4.0	16.0
0.51			451063JKP2T0	451063JKM2T0		451063JKI2B0		5.0	14.0
0.56	11 x 21 x 31	7.4	456063JKP2T0	456063JKM2T0	100	456063JKI2B0	125	5.0	13.0
0.62			462063JKP2T0	462063JKM2T0		462063JKI2B0		5.0	12.0
0.68			468063JKP2T0	468063JKM2T0		468063JKI2B0		6.0	11.0
0.75			475063JKP2T0	475063JKM2T0		475063JKI2B0		6.0	10.0
0.82	13 x 23 x 31	9.2	482063JKP2T0	482063JKM2T0	100	482063JKI2B0	125	6.0	9.0
0.91			491063JKP2T0	491063JKM2T0		491063JKI2B0		6.0	8.0
1.00			510063JKP2T0	510063JKM2T0		510063JKI2B0		6.0	7.0
1.10	15 x 25 x 31.5	12.3	511063JKP2T0	511063JKM2T0	100	511063JKI2B0	125	7.0	7.0
1.20			512063JKP2T0	512063JKM2T0		512063JKI2B0		8.0	6.0
1.30			513063JKP2T0	513063JKM2T0		513063JKI2B0		8.0	6.0
1.50	18 x 28 x 31.5	16.1	515063JKP2T0	515063JKM2T0	100	515063JKI2B0	100	9.0	5.0
1.60			516063JKP2T0	516063JKM2T0		516063JKI2B0		9.0	5.0
1.80			518063JKP2T0	518063JKM2T0		518063JKI2B0		10.0	4.0
2.00	21 x 31 x 31	18.3	520063JKP2T0	520063JKM2T0	50	520063JKI2B0	75	11.0	4.0
2.20			522063JKP2T0	522063JKM2T0		522063JKI2B0		12.0	4.0
2.40			524063JKP2T0	524063JKM2T0		524063JKI2B0		14.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$; $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
2.4	16 x 28.5 x 41.5	21.5	524063JPP2T0	524063JPM2T0	125	524063JPI2T0	125	12.0	4.0
2.7	18 x 32.5 x 41.5	28.5	527063JPP2T0	527063JPM2T0	110	527063JPI2T0	110	14.0	3.0
3.0			530063JPP2T0	530063JPM2T0		530063JPI2T0		15.0	3.0
3.3			533063JPP2T0	533063JPM2T0		533063JPI2T0		17.0	3.0
3.6	18.5 x 35.5 x 43	32.5	536063JPP2T0	536063JPM2T0	105	536063JPI2T0	105	17.0	3.0
3.9	21.5 x 38.5 x 43	40	539063JPP2T0	539063JPM2T0	91	539063JPI2T0	91	17.0	2.0
4.3			543063JPP2T0	543063JPM2T0		543063JPI2T0		19.0	2.0
4.7			547063JPP2T0	547063JPM2T0		547063JPI2T0		21.0	2.0
5.1	24 x 44 x 42	50	551063JPP2T0	551063JPM2T0	77	551063JPI2T0	77	22.0	2.0
5.6			556063JPP2T0	556063JPM2T0		556063JPI2T0		25.0	4.0 ⁽⁴⁾
6.2			562063JPP2T0	562063JPM2T0		562063JPI2T0		27.0	3.0 ⁽⁴⁾
6.8	30 x 45 x 42	70	568063JPP2T0	568063JPM2T0	63	568063JPI2T0	63	28.0	3.0 ⁽⁴⁾
7.5			575063JPP2T0	575063JPM2T0		575063JPI2T0		28.0	3.0 ⁽⁴⁾
8.2			582063JPP2T0	582063JPM2T0		582063JPI2T0		31.0	3.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
2.7	18 x 32.5 x 41.5	28.5	527063JPP4T0	527063JPM4T0	110	527063JPI4T0	110	14.0	3.0
3.0			530063JPP4T0	530063JPM4T0		530063JPI4T0		15.0	3.0
3.3			533063JPP4T0	533063JPM4T0		533063JPI4T0		17.0	3.0
3.6	18.5 x 35.5 x 43	32.5	536063JPP4T0	536063JPM4T0	105	536063JPI4T0	105	17.0	3.0
3.9	21.5 x 38.5 x 43	40	539063JPP4T0	539063JPM4T0	91	539063JPI4T0	91	17.0	2.0
4.3			543063JPP4T0	543063JPM4T0		543063JPI4T0		19.0	2.0
4.7			547063JPP4T0	547063JPM4T0		547063JPI4T0		21.0	2.0
5.1	24 x 44 x 42	50	551063JPP4T0	551063JPM4T0	77	551063JPI4T0	77	22.0	2.0
5.6			556063JPP4T0	556063JPM4T0		556063JPI4T0		25.0	4.0 ⁽⁴⁾
6.2			562063JPP4T0	562063JPM4T0		562063JPI4T0		27.0	3.0 ⁽⁴⁾
6.8	30 x 45 x 42	70	568063JPP4T0	568063JPM4T0	63	568063JPI4T0	63	28.0	3.0 ⁽⁴⁾
7.5			575063JPP4T0	575063JPM4T0		575063JPI4T0		28.0	3.0 ⁽⁴⁾
8.2			582063JPP4T0	582063JPM4T0		582063JPI4T0		31.0	3.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
6.8	30 x 45 x 42	70	568063JPP5T0	568063JPM5T0	63	568063JPI5T0	63	28.0	3.0 ⁽⁴⁾
7.5			575063JPP5T0	575063JPM5T0		575063JPI5T0		28.0	3.0 ⁽⁴⁾
8.2			582063JPP5T0	582063JPM5T0		582063JPI5T0		31.0	3.0 ⁽⁴⁾

Notes

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SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 630 \text{ V}$; $U_{RAC} = 220 \text{ V}$ / $U_{p-p} = 620 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
9.1	25 x 45 x 57.5	100	591063JYP2T0	591063JYM2T0	55	591063JYI2T0	55	34.0	6.0
10	30 x 45 x 57.5	125	610063JYP2T0	610063JYM2T0	45	610063JYI2T0	45	35.0	5.0
11			611063JYP2T0	611063JYM2T0		611063JYI2T0		35.0	5.0
12			612063JYP2T0	612063JYM2T0		612063JYI2T0		38.0	4.0
13	35 x 50 x 57.5	150	613063JYP2T0	613063JYM2T0	40	613063JYI2T0	40	38.0	4.0
15			615063JYP2T0	615063JYM2T0		615063JYI2T0		38.0	4.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
9.1	25 x 45 x 57.5	100	591063JYP4T0	591063JYM4T0	55	591063JYI4T0	55	34.0	6.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
10	30 x 45 x 57.5	125	610063JYP5T0	610063JYM5T0	45	610063JYI5T0	45	35.0	5.0
11			611063JYP5T0	611063JYM5T0		611063JYI5T0		35.0	5.0
12			612063JYP5T0	612063JYM5T0		612063JYI5T0		38.0	4.0
13	35 x 50 x 57.5	150	613063JYP5T0	613063JYM5T0	40	613063JYI5T0	40	38.0	4.0
15			615063JYP5T0	615063JYM5T0		615063JYI5T0		38.0	4.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 850 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 7.5 mm	4000 V/μs
Pitch = 10 mm	3800 V/μs
Pitch = 15 mm	590 V/μs
Pitch = 22.5 mm	530 V/μs
Pitch = 27.5 mm	330 V/μs
Pitch = 37.5 mm	60 V/μs
Pitch = 52.5 mm	30 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 50 pC peak discharge	> 400 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	1360 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 850 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
CAPACITANCE RANGE		
0.001 μF < C ≤ 0.0091 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0091 μF < C ≤ 0.030 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.030 μF < C ≤ 0.091 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.091 μF < C ≤ 0.15 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.15 μF < C ≤ 1.1 μF	≤ 10 x 10 ⁻⁴	≤ 30 x 10 ⁻⁴
1.1 μF < C ≤ 1.3 μF	≤ 10 x 10 ⁻⁴	≤ 35 x 10 ⁻⁴
1.3 μF < C ≤ 5.6 μF	≤ 10 x 10 ⁻⁴	-
5.6 μF < C ≤ 10 μF	≤ 20 x 10 ⁻⁴	-



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}$ / $U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm}/ - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50 \text{ mm} \pm 0.05 \text{ mm}$											
0.0010	3 x 8 x 10	0.34	210085JCA2B0	210085JCM2B0	1500	210085JCI2B0	1000	210085JCO2G0	1250	210085JCO2W0	1500
0.0011			211085JCA2B0	211085JCM2B0		211085JCI2B0		211085JCO2G0		211085JCO2W0	
0.0012			212085JCA2B0	212085JCM2B0		212085JCI2B0		212085JCO2G0		212085JCO2W0	
0.0013			213085JCA2B0	213085JCM2B0		213085JCI2B0		213085JCO2G0		213085JCO2W0	
0.0015			215085JCA2B0	215085JCM2B0		215085JCI2B0		215085JCO2G0		215085JCO2W0	
0.0016			216085JCA2B0	216085JCM2B0		216085JCI2B0		216085JCO2G0		216085JCO2W0	
0.0018			218085JCA2B0	218085JCM2B0		218085JCI2B0		218085JCO2G0		218085JCO2W0	
0.0020			220085JCA2B0	220085JCM2B0		220085JCI2B0		220085JCO2G0		220085JCO2W0	
0.0022	4 x 9 x 10	0.45	222085JCA2B0	222085JCM2B0	1500	222085JCI2B0	1000	222085JCO2G0	1250	222085JCO2W0	1500
0.0024			224085JCA2B0	224085JCM2B0		224085JCI2B0		224085JCO2G0		224085JCO2W0	
0.0027			227085JCA2B0	227085JCM2B0		227085JCI2B0		227085JCO2G0		227085JCO2W0	
0.0030			230085JCA2B0	230085JCM2B0		230085JCI2B0		230085JCO2G0		230085JCO2W0	
0.0033			233085JCA2B0	233085JCM2B0		233085JCI2B0		233085JCO2G0		233085JCO2W0	
0.0036			236085JCA2B0	236085JCM2B0		236085JCI2B0		236085JCO2G0		236085JCO2W0	
0.0039	5 x 10.5 x 10	0.6	239085JCA2B0	239085JCM2B0	1000	239085JCI2B0	1250	239085JCO2G0	1000	239085JCO2W0	1000
0.0043			243085JCA2B0	243085JCM2B0		243085JCI2B0		243085JCO2G0		243085JCO2W0	
0.0047			247085JCA2B0	247085JCM2B0		247085JCI2B0		247085JCO2G0		247085JCO2W0	
0.0051			251085JCA2B0	251085JCM2B0		251085JCI2B0		251085JCO2G0		251085JCO2W0	
0.0056	6 x 11.5 x 10	0.8	256085JCA2B0	256085JCM2B0	750	256085JCI2B0	1000	256085JCO2G0	750	256085JCO2W0	500
0.0062			262085JCA2B0	262085JCM2B0		262085JCI2B0		262085JCO2G0		262085JCO2W0	
0.0068			268085JCA2B0	268085JCM2B0		268085JCI2B0		268085JCO2G0		268085JCO2W0	
0.0075			275085JCA2B0	275085JCM2B0		275085JCI2B0		275085JCO2G0		275085JCO2W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 850\text{ V}$; $U_{RAC} = 300\text{ V}/U_{p-p} = 850\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.0047	4 x 12 x 12.5	0.6	247085JC02H0	1300	247085JC02R0	2000	-	-
0.0051			251085JC02H0		251085JC02R0			
0.0056			256085JC02H0		256085JC02R0			
0.0062			262085JC02H0		262085JC02R0			
0.0068			268085JC02H0		268085JC02R0			
0.0075			275085JC02H0		275085JC02R0			
0.0082	5 x 13 x 12.5	0.82	282085JC02H0	1000	282085JC02R0	1900	-	-
0.0091			291085JC02H0		291085JC02R0			
0.0100			310085JC02H0		310085JC02R0			
0.0110			311085JC02H0		311085JC02R0			
0.0120	6 x 14 x 12.5	1.1	312085JC02H0	850	312085JC02R0	1500	-	-
0.0130			313085JC02H0		313085JC02R0			
0.0150			315085JC02H0		315085JC02R0			
0.0160			316085JC02H0		316085JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.010	5 x 13 x 17.5	1	-	-	310085JC02R1	950	310085JC02Z0	550
0.011					311085JC02R1		311085JC02Z0	
0.012					312085JC02R1		312085JC02Z0	
0.013					313085JC02R1		313085JC02Z0	
0.015					315085JC02R1		315085JC02Z0	
0.016					316085JC02R1		316085JC02Z0	
0.018					318085JC02R1		318085JC02Z0	
0.020					320085JC02R1		320085JC02Z0	
0.022					322085JC02R1		322085JC02Z0	
0.024					324085JC02R1		324085JC02Z0	
0.027					327085JC02R1		327085JC02Z0	
0.030					330085JC02R1		330085JC02Z0	
0.033					333085JC02R1		333085JC02Z0	
0.036					6 x 14 x 17.5		1.4	
0.039	339085JC02R1	339085JC02Z0						
0.043	343085JC02R1	343085JC02Z0						
0.047	347085JC02R1	347085JC02Z0						
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.051	7 x 15.5 x 17.5	1.8	-	-	351085JC02R1	700	351085JC02Z0	400
0.056					356085JC02R1		356085JC02Z0	
0.062					362085JC02R1		362085JC02Z0	
0.068	8.5 x 17 x 17.5	2.8	-	-	368085JC02R1	550	368085JC02Z0	300
0.075					375085JC02R1		375085JC02Z0	
0.082					382085JC02R1		382085JC02Z0	
0.091					391085JC02R1		391085JC02Z0	
0.100	10 x 18.5 x 17.5	3	-	-	410085JC02R1	500	410085JC02Z0	250
0.110					411085JC02R1		411085JC02Z0	
0.120					412085JC02R1		412085JC02Z0	
0.130					413085JC02R1		413085JC02Z0	

Notes

(1) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

(2) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}$ / $U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.0047	4 x 10 x 12.5	0.6	247085JDA2B0	247085JDM2B0	1000	247085JDI2B0	1250	247085JD02G0	950	247085JD02W0	1400
0.0051			251085JDA2B0	251085JDM2B0		251085JDI2B0		251085JD02G0		251085JD02W0	
0.0056			256085JDA2B0	256085JDM2B0		256085JDI2B0		256085JD02G0		256085JD02W0	
0.0062			262085JDA2B0	262085JDM2B0		262085JDI2B0		262085JD02G0		262085JD02W0	
0.0068			268085JDA2B0	268085JDM2B0		268085JDI2B0		268085JD02G0		268085JD02W0	
0.0075			275085JDA2B0	275085JDM2B0		275085JDI2B0		275085JD02G0		275085JD02W0	
0.0082	5 x 11 x 12.5	0.82	282085JDA2B0	282085JDM2B0	1000	282085JDI2B0	1000	282085JD02G0	750	282085JD02W0	1000
0.0091			291085JDA2B0	291085JDM2B0		291085JDI2B0		291085JD02G0		291085JD02W0	
0.0100			310085JDA2B0	310085JDM2B0		310085JDI2B0		310085JD02G0		310085JD02W0	
0.0110			311085JDA2B0	311085JDM2B0		311085JDI2B0		311085JD02G0		311085JD02W0	
0.0120	6 x 12 x 12.5	1.1	312085JDA2B0	312085JDM2B0	750	312085JDI2B0	750	312085JD02G0	600	312085JD02W0	900
0.0130			313085JDA2B0	313085JDM2B0		313085JDI2B0		313085JD02G0		313085JD02W0	
0.0150			315085JDA2B0	315085JDM2B0		315085JDI2B0		315085JD02G0		315085JD02W0	
0.0160			316085JDA2B0	316085JDM2B0		316085JDI2B0		316085JD02G0		316085JD02W0	

Notes

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SPQ = Standard Packing Quantity



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}$ / $U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX				REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$									
0.010	5 x 11 x 17.5	1	310085JFP2B0	310085JFM2B0	1250	310085JFI2B0	1000	310085JF02W0	1100
0.011			311085JFP2B0	311085JFM2B0		311085JFI2B0		311085JF02W0	
0.012			312085JFP2B0	312085JFM2B0		312085JFI2B0		312085JF02W0	
0.013			313085JFP2B0	313085JFM2B0		313085JFI2B0		313085JF02W0	
0.015			315085JFP2B0	315085JFM2B0		315085JFI2B0		315085JF02W0	
0.016			316085JFP2B0	316085JFM2B0		316085JFI2B0		316085JF02W0	
0.018			318085JFP2B0	318085JFM2B0		318085JFI2B0		318085JF02W0	
0.020			320085JFP2B0	320085JFM2B0		320085JFI2B0		320085JF02W0	
0.022			322085JFP2B0	322085JFM2B0		322085JFI2B0		322085JF02W0	
0.024			324085JFP2B0	324085JFM2B0		324085JFI2B0		324085JF02W0	
0.027			327085JFP2B0	327085JFM2B0		327085JFI2B0		327085JF02W0	
0.030			330085JFP2B0	330085JFM2B0		330085JFI2B0		330085JF02W0	
0.033			333085JFP2B0	333085JFM2B0		333085JFI2B0		333085JF02W0	
0.036			6 x 12 x 17.5	1.4		336085JFP2B0		336085JFM2B0	
0.039	339085JFP2B0	339085JFM2B0			339085JFI2B0	339085JF02W0			
0.043	343085JFP2B0	343085JFM2B0			343085JFI2B0	343085JF02W0			
0.047	347085JFP2B0	347085JFM2B0			347085JFI2B0	347085JF02W0			
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.051	7 x 13.5 x 17.5	1.8	351085JFP2B0	351085JFM2B0	750	351085JFI2B0	500	351085JF02W0	850
0.056			356085JFP2B0	356085JFM2B0		356085JFI2B0		356085JF02W0	
0.062			362085JFP2B0	362085JFM2B0		362085JFI2B0		362085JF02W0	
0.068	8.5 x 15 x 17.5	2.4	368085JFP2B0	368085JFM2B0	750	368085JFI2B0	500	368085JF02W0	650
0.075			375085JFP2B0	375085JFM2B0		375085JFI2B0		375085JF02W0	
0.082			382085JFP2B0	382085JFM2B0		382085JFI2B0		382085JF02W0	
0.091			391085JFP2B0	391085JFM2B0		391085JFI2B0		391085JF02W0	
0.100	10 x 16.5 x 17.5	3	410085JFP2B0	410085JFM2B0	500	410085JFI2B0	450	410085JF02W0	600
0.110			411085JFP2B0	411085JFM2B0		411085JFI2B0		411085JF02W0	
0.120			412085JFP2B0	412085JFM2B0		412085JFI2B0		412085JF02W0	
0.130			413085JFP2B0	413085JFM2B0		413085JFI2B0		413085JF02W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}$ / $U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX				REEL (500 mm) ⁽¹⁾⁽²⁾		
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.033	6 x 15.5 x 26	2.4	333085JIP2T0	333085JIM2T0	300	333085JII2B0	250	333085JI02W0	600
0.036			336085JIP2T0	336085JIM2T0		336085JII2B0		336085JI02W0	
0.039			339085JIP2T0	339085JIM2T0		339085JII2B0		339085JI02W0	
0.043			343085JIP2T0	343085JIM2T0		343085JII2B0		343085JI02W0	
0.047			347085JIP2T0	347085JIM2T0		347085JII2B0		347085JI02W0	
0.051			351085JIP2T0	351085JIM2T0		351085JII2B0		351085JI02W0	
0.056			356085JIP2T0	356085JIM2T0		356085JII2B0		356085JI02W0	
0.062			362085JIP2T0	362085JIM2T0		362085JII2B0		362085JI02W0	
0.068			368085JIP2T0	368085JIM2T0		368085JII2B0		368085JI02W0	
0.075			375085JIP2T0	375085JIM2T0		375085JII2B0		375085JI02W0	
0.082			382085JIP2T0	382085JIM2T0		382085JII2B0		382085JI02W0	
0.091			391085JIP2T0	391085JIM2T0		391085JII2B0		391085JI02W0	
0.100			410085JIP2T0	410085JIM2T0		410085JII2B0		410085JI02W0	
0.110			7 x 16.5 x 26	2.9		411085JIP2T0		411085JIM2T0	
0.120	412085JIP2T0	412085JIM2T0			412085JII2B0	412085JI02W0			
0.130	413085JIP2T0	413085JIM2T0			413085JII2B0	413085JI02W0			
0.150	8.5 x 18 x 26	3.8	415085JIP2T0	415085JIM2T0	200	415085JII2B0	250	415085JI02W0	450
0.160			416085JIP2T0	416085JIM2T0		416085JII2B0		416085JI02W0	
0.180			418085JIP2T0	418085JIM2T0		418085JII2B0		418085JI02W0	
0.200			420085JIP2T0	420085JIM2T0		420085JII2B0		420085JI02W0	
0.220	10 x 19.5 x 26	6.8	422085JIP2T0	422085JIM2T0	200	422085JII2B0	200	422085JI02W0	350
0.240			424085JIP2T0	424085JIM2T0		424085JII2B0		424085JI02W0	
0.270			427085JIP2T0	427085JIM2T0		427085JII2B0		427085JI02W0	
0.300	12 x 22 x 26	7.8	430085JIP2T0	430085JIM2T0	150	430085JII2B0	200	430085JI02W0	300
0.330			433085JIP2T0	433085JIM2T0		433085JII2B0		433085JI02W0	
0.360			436085JIP2T0	436085JIM2T0		436085JII2B0		436085JI02W0	
0.390			439085JIP2T0	439085JIM2T0		439085JII2B0		439085JI02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 850\text{ V}$; $U_{RAC} = 300\text{ V}/U_{p-p} = 850\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.10	9 x 19 x 31.5	5.5	410085JKP2T0	410085JKM2T0	100	410085JKI2B0	150	3.0	40.0
0.11			411085JKP2T0	411085JKM2T0		411085JKI2B0		3.0	36.0
0.12			412085JKP2T0	412085JKM2T0		412085JKI2B0		3.0	33.0
0.13			413085JKP2T0	413085JKM2T0		413085JKI2B0		3.0	31.0
0.15			415085JKP2T0	415085JKM2T0		415085JKI2B0		4.0	27.0
0.16			416085JKP2T0	416085JKM2T0		416085JKI2B0		4.0	30.0
0.18			418085JKP2T0	418085JKM2T0		418085JKI2B0		4.0	27.0
0.20			420085JKP2T0	420085JKM2T0		420085JKI2B0		4.0	24.0
0.22			422085JKP2T0	422085JKM2T0		422085JKI2B0		4.0	22.0
0.24			424085JKP2T0	424085JKM2T0		424085JKI2B0		4.0	20.0
0.27			427085JKP2T0	427085JKM2T0		427085JKI2B0		5.0	18.0
0.30			11 x 21 x 31	7.4		430085JKP2T0		430085JKM2T0	100
0.33	433085JKP2T0	433085JKM2T0			433085JKI2B0	5.0	15.0		
0.36	436085JKP2T0	436085JKM2T0			436085JKI2B0	5.0	13.0		
0.39	439085JKP2T0	439085JKM2T0			439085JKI2B0	5.0	12.0		
0.43	13 x 23 x 31	9.2	443085JKP2T0	443085JKM2T0	100	443085JKI2B0	125	5.0	11.0
0.47			447085JKP2T0	447085JKM2T0		447085JKI2B0		6.0	10.0
0.51			451085JKP2T0	451085JKM2T0		451085JKI2B0		6.0	9.0
0.56	15 x 25 x 31.5	12.3	456085JKP2T0	456085JKM2T0	100	456085JKI2B0	125	6.0	9.0
0.62			462085JKP2T0	462085JKM2T0		462085JKI2B0		7.0	8.0
0.68			468085JKP2T0	468085JKM2T0		468085JKI2B0		7.0	7.0
0.75	18 x 28 x 31.5	16.1	475085JKP2T0	475085JKM2T0	100	475085JKI2B0	100	8.0	6.0
0.82			482085JKP2T0	482085JKM2T0		482085JKI2B0		8.0	6.0
0.91			491085JKP2T0	491085JKM2T0		491085JKI2B0		9.0	5.0
1.00			510085JKP2T0	510085JKM2T0		510085JKI2B0		9.0	5.0
1.10	21 x 31 x 31	18.3	511085JKP2T0	511085JKM2T0	50	511085JKI2B0	75	10.0	4.0
1.20			512085JKP2T0	512085JKM2T0		512085JKI2B0		11.0	5.0
1.30			513085JKP2T0	513085JKM2T0		513085JKI2B0		12.0	4.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}/U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
1.5	16 x 28.5 x 41.5	21.5	515085JPP2T0	515085JPM2T0	125	515085JPI2T0	125	14.0	1.0
1.6			516085JPP2T0	516085JPM2T0		516085JPI2T0		15.0	1.0
1.8	18 x 32.5 x 41.5	28.5	518085JPP2T0	518085JPM2T0	110	518085JPI2T0	110	17.0	1.0
2.0			520085JPP2T0	520085JPM2T0		520085JPI2T0		19.0	1.0
2.2			522085JPP2T0	522085JPM2T0		522085JPI2T0		21.0	1.0
2.4	18.5 x 35.5 x 43	32.5	524085JPP2T0	524085JPM2T0	105	524085JPI2T0	105	23.0	1.0
2.7	21.5 x 38.5 x 43	40	527085JPP2T0	527085JPM2T0	91	527085JPI2T0	91	24.0	1.0
3.0			530085JPP2T0	530085JPM2T0		530085JPI2T0		25.0	1.0
3.3	24 x 44 x 42	50	533085JPP2T0	533085JPM2T0	77	533085JPI2T0	77	25.0	1.0
3.6			536085JPP2T0	536085JPM2T0		536085JPI2T0		25.0	1.0
3.9			539085JPP2T0	539085JPM2T0		539085JPI2T0		25.0	1.0
4.3	30 x 45 x 42	70	543085JPP2T0	543085JPM2T0	63	543085JPI2T0	63	27.0	1.0
4.7			547085JPP2T0	547085JPM2T0		547085JPI2T0		27.0	1.0
5.1			551085JPP2T0	551085JPM2T0		551085JPI2T0		29.0	1.0
5.6			556085JPP2T0	556085JPM2T0		556085JPI2T0		32.0	3.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
1.8	18 x 32.5 x 41.5	28.5	518085JPP4T0	518085JPM4T0	110	518085JPI4T0	110	17.0	1.0
2.0			520085JPP4T0	520085JPM4T0		520085JPI4T0		19.0	1.0
2.2			522085JPP4T0	522085JPM4T0		522085JPI4T0		21.0	1.0
2.4	18.5 x 35.5 x 43	32.5	524085JPP4T0	524085JPM4T0	105	524085JPI4T0	105	23.0	1.0
2.7	21.5 x 38.5 x 43	40	527085JPP4T0	527085JPM4T0	91	527085JPI4T0	91	24.0	1.0
3.0			530085JPP4T0	530085JPM4T0		530085JPI4T0		25.0	1.0
3.3	24 x 44 x 42	50	533085JPP4T0	533085JPM4T0	77	533085JPI4T0	77	25.0	1.0
3.6			536085JPP4T0	536085JPM4T0		536085JPI4T0		25.0	1.0
3.9			539085JPP4T0	539085JPM4T0		539085JPI4T0		25.0	1.0
4.3	30 x 45 x 42	70	543085JPP4T0	543085JPM4T0	63	543085JPI4T0	63	27.0	1.0
4.7			547085JPP4T0	547085JPM4T0		547085JPI4T0		27.0	1.0
5.1			551085JPP4T0	551085JPM4T0		551085JPI4T0		29.0	1.0
5.6			556085JPP4T0	556085JPM4T0		556085JPI4T0		32.0	3.0 ⁽⁴⁾
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
4.3	30 x 45 x 42	70	543085JPP5T0	543085JPM5T0	63	543085JPI5T0	63	27.0	1.0
4.7			547085JPP5T0	547085JPM5T0		547085JPI5T0		27.0	1.0
5.1			551085JPP5T0	551085JPM5T0		551085JPI5T0		29.0	1.0
5.6			556085JPP5T0	556085JPM5T0		556085JPI5T0		32.0	3.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



$U_{RDC} = 850 \text{ V}$; $U_{RAC} = 300 \text{ V}/U_{p-p} = 850 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
6.2	30 x 45 x 57.5	130	562085JYP2T0	562085JYM2T0	45	562085JYI2T0	45	31.0	5.0
6.8			568085JYP2T0	568085JYM2T0		568085JYI2T0		32.0	5.0
7.5			575085JYP2T0	575085JYM2T0		575085JYI2T0		33.0	4.0
8.2			582085JYP2T0	582085JYM2T0		582085JYI2T0		34.0	4.0
9.1	35 x 50 x 57.5	150	591085JYP2T0	591085JYM2T0	40	591085JYI2T0	40	34.0	4.0
10			610085JYP2T0	610085JYM2T0		610085JYI2T0		35.0	3.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
6.2	30 x 45 x 57.5	130	562085JYP5T0	562085JYM5T0	45	562085JYI5T0	45	31.0	5.0
6.8			568085JYP5T0	568085JYM5T0		568085JYI5T0		32.0	5.0
7.5			575085JYP5T0	575085JYM5T0		575085JYI5T0		33.0	4.0
8.2			582085JYP5T0	582085JYM5T0		582085JYI5T0		34.0	4.0
9.1	35 x 50 x 57.5	150	591085JYP5T0	591085JYM5T0	40	591085JYI5T0	40	34.0	4.0
10			610085JYP5T0	610085JYM5T0		610085JYI5T0		35.0	3.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 1000 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 7.5 mm	4000 V/μs
Pitch = 10 mm	3800 V/μs
Pitch = 15 mm	590 V/μs
Pitch = 22.5 mm	530 V/μs
Pitch = 27.5 mm	330 V/μs
Pitch = 37.5 mm	150 V/μs
Pitch = 52.5 mm	70 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 50 pC peak discharge	> 440 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	1600 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

(1) See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 1000 V _{DC}		
CAPACITANCE RANGE	VALUE	
	10 kHz	100 kHz
0.00056 μF < C ≤ 0.003 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.003 μF < C ≤ 0.036 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.036 μF < C ≤ 0.091 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.091 μF < C ≤ 0.56 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.56 μF < C ≤ 0.91 μF	≤ 10 x 10 ⁻⁴	≤ 30 x 10 ⁻⁴
0.91 μF < C ≤ 3.6 μF	≤ 10 x 10 ⁻⁴	-
3.6 μF < C ≤ 6.8 μF	≤ 20 x 10 ⁻⁴	-



$U_{RDC} = 1000\text{ V}$; $U_{RAC} = 350\text{ V}$ / $U_{p-p} = 1000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50\text{ mm} \pm 0.05\text{ mm}$											
0.00047	3 x 8 x 10	0.34	147100JCA2B0	147100JCM2B0	1500	147100JCI2B0	1000	147100JC02G0	1250	147100JC02W0	1500
0.00051			151100JCA2B0	151100JCM2B0		151100JCI2B0		151100JC02G0		151100JC02W0	
0.00056			156100JCA2B0	156100JCM2B0		156100JCI2B0		156100JC02G0		156100JC02W0	
0.00062			162100JCA2B0	162100JCM2B0		162100JCI2B0		162100JC02G0		162100JC02W0	
0.00068			168100JCA2B0	168100JCM2B0		168100JCI2B0		168100JC02G0		168100JC02W0	
0.00075			175100JCA2B0	175100JCM2B0		175100JCI2B0		175100JC02G0		175100JC02W0	
0.00082			182100JCA2B0	182100JCM2B0		182100JCI2B0		182100JC02G0		182100JC02W0	
0.00091			191100JCA2B0	191100JCM2B0		191100JCI2B0		191100JC02G0		191100JC02W0	
0.00100			210100JCA2B0	210100JCM2B0		210100JCI2B0		210100JC02G0		210100JC02W0	
0.00110			211100JCA2B0	211100JCM2B0		211100JCI2B0		211100JC02G0		211100JC02W0	
0.00120			212100JCA2B0	212100JCM2B0		212100JCI2B0		212100JC02G0		212100JC02W0	
0.00130			213100JCA2B0	213100JCM2B0		213100JCI2B0		213100JC02G0		213100JC02W0	
0.00150			4 x 9 x 10	0.45		215100JCA2B0		215100JCM2B0		1500	
0.00160	216100JCA2B0	216100JCM2B0			216100JCI2B0	216100JC02G0	216100JC02W0				
0.00180	218100JCA2B0	218100JCM2B0			218100JCI2B0	218100JC02G0	218100JC02W0				
0.00200	220100JCA2B0	220100JCM2B0			220100JCI2B0	220100JC02G0	220100JC02W0				
0.00220	222100JCA2B0	222100JCM2B0			222100JCI2B0	222100JC02G0	222100JC02W0				
0.00240	224100JCA2B0	224100JCM2B0			224100JCI2B0	224100JC02G0	224100JC02W0				
0.00270	5 x 10.5 x 10	0.6	227100JCA2B0	227100JCM2B0	1000	227100JCI2B0	1250	227100JC02G0	1000	227100JC02W0	1000
0.00300			230100JCA2B0	230100JCM2B0		230100JCI2B0		230100JC02G0		230100JC02W0	
0.00330			233100JCA2B0	233100JCM2B0		233100JCI2B0		233100JC02G0		233100JC02W0	
0.00360			236100JCA2B0	236100JCM2B0		236100JCI2B0		236100JC02G0		236100JC02W0	
0.00390	6 x 11.5 x 10	0.8	239100JCA2B0	239100JCM2B0	750	239100JCI2B0	1000	239100JC02G0	750	239100JC02W0	500
0.00430			243100JCA2B0	243100JCM2B0		243100JCI2B0		243100JC02G0		243100JC02W0	
0.00470			247100JCA2B0	247100JCM2B0		247100JCI2B0		247100JC02G0		247100JC02W0	
0.00510			251100JCA2B0	251100JCM2B0		251100JCI2B0		251100JC02G0		251100JC02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 1000\text{ V}$; $U_{RAC} = 350\text{ V}/U_{p-p} = 1000\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.0033	4 x 12 x 12.5	0.6	233100JC02H0	1300	233100JC02R0	2000	-	-
0.0036			236100JC02H0		236100JC02R0			
0.0039			239100JC02H0		239100JC02R0			
0.0043			243100JC02H0		243100JC02R0			
0.0047			247100JC02H0		247100JC02R0			
0.0051			251100JC02H0		251100JC02R0			
0.0056			256100JC02H0		256100JC02R0			
0.0062			262100JC02H0		262100JC02R0			
0.0068			268100JC02H0		268100JC02R0			
0.0075			275100JC02H0		275100JC02R0			
0.0082			5 x 13 x 12.5		0.82			
0.0091	291100JC02H0	291100JC02R0						
0.0100	310100JC02H0	310100JC02R0						
0.0110	311100JC02H0	311100JC02R0						
0.0120	6 x 14 x 12.5	1.1	312100JC02H0	850	312100JC02R0	1500	-	-
0.0130			313100JC02H0		313100JC02R0			
0.0150			315100JC02H0		315100JC02R0			
0.0160			316100JC02H0		316100JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.0180	5 x 13 x 17.5	1	-	-	318100JC02R1	950	318100JC02Z0	550
0.0200			320100JC02R1		320100JC02Z0			
0.0220			322100JC02R1		322100JC02Z0			
0.0240	6 x 14 x 17.5	1.4	-	-	324100JC02R1	800	324100JC02Z0	450
0.0270			327100JC02R1		327100JC02Z0			
0.0300			330100JC02R1		330100JC02Z0			
0.0330			333100JC02R1		333100JC02Z0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.0360	7 x 15.5 x 17.5	1.8	-	-	336100JC02R1	700	336100JC02Z0	400
0.0390			339100JC02R1		339100JC02Z0			
0.0430			343100JC02R1		343100JC02Z0			
0.0470	8.5 x 17 x 17.5	2.8	-	-	347100JC02R1	550	347100JC02Z0	300
0.0510			351100JC02R1		351100JC02Z0			
0.0560			356100JC02R1		356100JC02Z0			
0.0620			362100JC02R1		362100JC02Z0			
0.0680	10 x 18.5 x 17.5	3	-	-	368100JC02R1	500	368100JC02Z0	250
0.0750			375100JC02R1		375100JC02Z0			
0.0820			382100JC02R1		382100JC02Z0			
0.0910			391100JC02R1		391100JC02Z0			

Notes

⁽¹⁾ H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

⁽²⁾ Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1000 \text{ V}$; $U_{RAC} = 350 \text{ V}$ / $U_{p-p} = 1000 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} + 1 \text{ mm} / - 0.5 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.0033	4 x 10 x 12.5	0.6	233100JDA2B0	233100JDM2B0	1000	233100JDI2B0	1250	233100JDO2G0	950	233100JDO2W0	1400
0.0036			236100JDA2B0	236100JDM2B0		236100JDI2B0		236100JDO2G0		236100JDO2W0	
0.0039			239100JDA2B0	239100JDM2B0		239100JDI2B0		239100JDO2G0		239100JDO2W0	
0.0043			243100JDA2B0	243100JDM2B0		243100JDI2B0		243100JDO2G0		243100JDO2W0	
0.0047			247100JDA2B0	247100JDM2B0		247100JDI2B0		247100JDO2G0		247100JDO2W0	
0.0051			251100JDA2B0	251100JDM2B0		251100JDI2B0		251100JDO2G0		251100JDO2W0	
0.0056			256100JDA2B0	256100JDM2B0		256100JDI2B0		256100JDO2G0		256100JDO2W0	
0.0062			262100JDA2B0	262100JDM2B0		262100JDI2B0		262100JDO2G0		262100JDO2W0	
0.0068			268100JDA2B0	268100JDM2B0		268100JDI2B0		268100JDO2G0		268100JDO2W0	
0.0075			275100JDA2B0	275100JDM2B0		275100JDI2B0		275100JDO2G0		275100JDO2W0	
0.0082	5 x 11 x 12.5	0.82	282100JDA2B0	282100JDM2B0	1000	282100JDI2B0	1000	282100JDO2G0	750	282100JDO2W0	1000
0.0091			291100JDA2B0	291100JDM2B0		291100JDI2B0		291100JDO2G0		291100JDO2W0	
0.0100			310100JDA2B0	310100JDM2B0		310100JDI2B0		310100JDO2G0		310100JDO2W0	
0.0110			311100JDA2B0	311100JDM2B0		311100JDI2B0		311100JDO2G0		311100JDO2W0	
0.0120	6 x 12 x 12.5	1.1	312100JDA2B0	312100JDM2B0	750	312100JDI2B0	750	312100JDO2G0	600	312100JDO2W0	900
0.0130			313100JDA2B0	313100JDM2B0		313100JDI2B0		313100JDO2G0		313100JDO2W0	
0.0150			315100JDA2B0	315100JDM2B0		315100JDI2B0		315100JDO2G0		315100JDO2W0	
0.0160			316100JDA2B0	316100JDM2B0		316100JDI2B0		316100JDO2G0		316100JDO2W0	

Notes

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SPQ = Standard Packing Quantity



$U_{RDC} = 1000\text{ V}$; $U_{RAC} = 350\text{ V}$ / $U_{p-p} = 1000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX				REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60\text{ mm} \pm 0.06\text{ mm}$									
0.018	5 x 11 x 17.5	1	318100JFP2B0	318100JFM2B0	1250	318100JFI2B0	1000	318100JF02W0	1100
0.020			320100JFP2B0	320100JFM2B0		320100JFI2B0		320100JF02W0	
0.022			322100JFP2B0	322100JFM2B0		322100JFI2B0		322100JF02W0	
0.024	6 x 12 x 17.5	1.4	324100JFP2B0	324100JFM2B0	1000	324100JFI2B0	1000	324100JF02W0	900
0.027			327100JFP2B0	327100JFM2B0		327100JFI2B0		327100JF02W0	
0.030			330100JFP2B0	330100JFM2B0		330100JFI2B0		330100JF02W0	
0.033			333100JFP2B0	333100JFM2B0		333100JFI2B0		333100JF02W0	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.036	7 x 13.5 x 17.5	1.8	336100JFP2B0	336100JFM2B0	750	336100JFI2B0	500	336100JF02W0	850
0.039			339100JFP2B0	339100JFM2B0		339100JFI2B0		339100JF02W0	
0.043			343100JFP2B0	343100JFM2B0		343100JFI2B0		343100JF02W0	
0.047	8.5 x 15 x 17.5	2.8	347100JFP2B0	347100JFM2B0	750	347100JFI2B0	500	347100JF02W0	650
0.051			351100JFP2B0	351100JFM2B0		351100JFI2B0		351100JF02W0	
0.056			356100JFP2B0	356100JFM2B0		356100JFI2B0		356100JF02W0	
0.062			362100JFP2B0	362100JFM2B0		362100JFI2B0		362100JF02W0	
0.068	10 x 16.5 x 17.5	3	368100JFP2B0	368100JFM2B0	500	368100JFI2B0	450	368100JF02W0	600
0.075			375100JFP2B0	375100JFM2B0		375100JFI2B0		375100JF02W0	
0.082			382100JFP2B0	382100JFM2B0		382100JFI2B0		382100JF02W0	
0.091			391100JFP2B0	391100JFM2B0		391100JFI2B0		391100JF02W0	

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$U_{RDC} = 1000 \text{ V}$; $U_{RAC} = 350 \text{ V}$ / $U_{p-p} = 1000 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.051	6 x 15.5 x 26	2.4	351100JIP2T0	351100JIM2T0	300	351100JII2B0	250	351100JIO2W0	600
0.056			356100JIP2T0	356100JIM2T0		356100JII2B0		356100JIO2W0	
0.062			362100JIP2T0	362100JIM2T0		362100JII2B0		362100JIO2W0	
0.068			368100JIP2T0	368100JIM2T0		368100JII2B0		368100JIO2W0	
0.075	7 x 16.5 x 26	2.9	375100JIP2T0	375100JIM2T0	200	375100JII2B0	250	375100JIO2W0	500
0.082			382100JIP2T0	382100JIM2T0		382100JII2B0		382100JIO2W0	
0.091			391100JIP2T0	391100JIM2T0		391100JII2B0		391100JIO2W0	
0.100			410100JIP2T0	410100JIM2T0		410100JII2B0		410100JIO2W0	
0.110	8.5 x 18 x 26	3.8	411100JIP2T0	411100JIM2T0	200	411100JII2B0	250	411100JIO2W0	450
0.120			412100JIP2T0	412100JIM2T0		412100JII2B0		412100JIO2W0	
0.130			413100JIP2T0	413100JIM2T0		413100JII2B0		413100JIO2W0	
0.150	10 x 19.5 x 26	6.8	415100JIP2T0	415100JIM2T0	200	415100JII2B0	200	415100JIO2W0	350
0.160			416100JIP2T0	416100JIM2T0		416100JII2B0		416100JIO2W0	
0.180			418100JIP2T0	418100JIM2T0		418100JII2B0		418100JIO2W0	
0.200	12 x 22 x 26	7.8	420100JIP2T0	420100JIM2T0	150	420100JII2B0	200	420100JIO2W0	300
0.220			422100JIP2T0	422100JIM2T0		422100JII2B0		422100JIO2W0	
0.240			424100JIP2T0	424100JIM2T0		424100JII2B0		424100JIO2W0	
0.270			427100JIP2T0	427100JIM2T0		427100JII2B0		427100JIO2W0	

Notes

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$U_{RDC} = 1000\text{ V}$; $U_{RAC} = 350\text{ V}$ / $U_{p-p} = 1000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.10	9 x 19 x 31.5	5.5	410100JKP2T0	410100JKM2T0	100	410100JKI2B0	150	3.0	48.0
0.11			411100JKP2T0	411100JKM2T0		411100JKI2B0		3.0	43.0
0.12			412100JKP2T0	412100JKM2T0		412100JKI2B0		4.0	40.0
0.13			413100JKP2T0	413100JKM2T0		413100JKI2B0		4.0	37.0
0.15			415100JKP2T0	415100JKM2T0		415100JKI2B0		4.0	32.0
0.16			416100JKP2T0	416100JKM2T0		416100JKI2B0		4.0	30.0
0.18			418100JKP2T0	418100JKM2T0		418100JKI2B0		4.0	27.0
0.20	11 x 21 x 31	7.4	420100JKP2T0	420100JKM2T0	100	420100JKI2B0	125	4.0	24.0
0.22			422100JKP2T0	422100JKM2T0		422100JKI2B0		4.0	22.0
0.24			424100JKP2T0	424100JKM2T0		424100JKI2B0		5.0	20.0
0.27			427100JKP2T0	427100JKM2T0		427100JKI2B0		5.0	18.0
0.30	13 x 23 x 31	9.2	430100JKP2T0	430100JKM2T0	100	430100JKI2B0	125	5.0	16.0
0.33			433100JKP2T0	433100JKM2T0		433100JKI2B0		6.0	15.0
0.36			436100JKP2T0	436100JKM2T0		436100JKI2B0		6.0	13.0
0.39			439100JKP2T0	439100JKM2T0		439100JKI2B0		6.0	12.0
0.43	15 x 25 x 31.5	12.3	443100JKP2T0	443100JKM2T0	100	443100JKI2B0	125	7.0	11.0
0.47			447100JKP2T0	447100JKM2T0		447100JKI2B0		7.0	10.0
0.51	18 x 28 x 31.5	16.1	451100JKP2T0	451100JKM2T0	100	451100JKI2B0	100	8.0	9.0
0.56			456100JKP2T0	456100JKM2T0		456100JKI2B0		9.0	9.0
0.62			462100JKP2T0	462100JKM2T0		462100JKI2B0		9.0	8.0
0.68			468100JKP2T0	468100JKM2T0		468100JKI2B0		10.0	7.0
0.75	21 x 31 x 31	18.3	475100JKP2T0	475100JKM2T0	100	475100JKI2B0	75	11.0	6.0
0.82			482100JKP2T0	482100JKM2T0		482100JKI2B0		12.0	6.0
0.91			491100JKP2T0	491100JKM2T0		491100JKI2B0		14.0	5.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1000 \text{ V}$; $U_{RAC} = 350 \text{ V}$ / $U_{p-p} = 1000 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
1.0	16 x 28.5 x 41.5	21.5	510100JPP2T0	510100JPM2T0	125	510100JPI2T0	125	16.0	4.0
1.1			511100JPP2T0	511100JPM2T0		511100JPI2T0		17.0	4.0
1.2	18 x 32.5 x 41.5	28.5	512100JPP2T0	512100JPM2T0	110	512100JPI2T0	110	17.0	4.0
1.3			513100JPP2T0	513100JPM2T0		513100JPI2T0		18.0	3.0
1.5			515100JPP2T0	515100JPM2T0		515100JPI2T0		20.0	3.0
1.6	18.5 x 35.5 x 43	32.5	516100JPP2T0	516100JPM2T0	105	516100JPI2T0	105	20.0	3.0
1.8	21.5 x 38.5 x 43	40	518100JPP2T0	518100JPM2T0	91	518100JPI2T0	91	22.0	2.0
2.0			520100JPP2T0	520100JPM2T0		520100JPI2T0		24.0	2.0
2.2			522100JPP2T0	522100JPM2T0		522100JPI2T0		25.0	2.0
2.4	24 x 44 x 42	50	524100JPP2T0	524100JPM2T0	77	524100JPI2T0	77	26.0	2.0
2.7			527100JPP2T0	527100JPM2T0		527100JPI2T0		27.0	2.0
3.0	30 x 45 x 42	70	530100JPP2T0	530100JPM2T0	63	530100JPI2T0	63	28.0	2.0
3.3			533100JPP2T0	533100JPM2T0		533100JPI2T0		29.0	1.0
3.6			536100JPP2T0	536100JPM2T0		536100JPI2T0		29.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
1.2	18 x 32.5 x 41.5	28.5	512100JPP4T0	512100JPM4T0	110	512100JPI4T0	110	17.0	4.0
1.3			513100JPP4T0	513100JPM4T0		513100JPI4T0		18.0	3.0
1.5			515100JPP4T0	515100JPM4T0		515100JPI4T0		20.0	3.0
1.6	18.5 x 35.5 x 43	32.5	516100JPP4T0	516100JPM4T0	105	516100JPI4T0	105	20.0	3.0
1.8	21.5 x 38.5 x 43	40	518100JPP4T0	518100JPM4T0	91	518100JPI4T0	91	22.0	2.0
2.0			520100JPP4T0	520100JPM4T0		520100JPI4T0		24.0	2.0
2.2			522100JPP4T0	522100JPM4T0		522100JPI4T0		25.0	2.0
2.4	24 x 44 x 42	50	524100JPP4T0	524100JPM4T0	77	524100JPI4T0	77	26.0	2.0
2.7			527100JPP4T0	527100JPM4T0		527100JPI4T0		27.0	2.0
3.0	30 x 45 x 42	70	530100JPP4T0	530100JPM4T0	63	530100JPI4T0	63	28.0	2.0
3.3			533100JPP4T0	533100JPM4T0		533100JPI4T0		29.0	1.0
3.6			536100JPP4T0	536100JPM4T0		536100JPI4T0		29.0	1.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
3.0	30 x 45 x 42	70	530100JPP5T0	530100JPM5T0	63	530100JPI5T0	63	28.0	2.0
3.3			533100JPP5T0	533100JPM5T0		533100JPI5T0		29.0	1.0
3.6			536100JPP5T0	536100JPM5T0		536100JPI5T0		29.0	1.0

Notes

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SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1000\text{ V}$; $U_{RAC} = 350\text{ V}$ / $U_{p-p} = 1000\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ TWO PIN VERSION									
3.9	25 x 45 x 57.5	100	539100JYP2T0	539100JYM2T0	55	539100JYI2T0	55	29.0	2.0
4.3			543100JYP2T0	543100JYM2T0		543100JYI2T0		30.0	7.0 ⁽⁴⁾
4.7	30 x 45 x 57.5	125	547100JYP2T0	547100JYM2T0	45	547100JYI2T0	45	30.0	7.0 ⁽⁴⁾
5.1			551100JYP2T0	551100JYM2T0		551100JYI2T0		32.0	6.0 ⁽⁴⁾
5.6			556100JYP2T0	556100JYM2T0		556100JYI2T0		35.0	6.0 ⁽⁴⁾
6.2	35 x 50 x 57.5	150	562100JYP2T0	562100JYM2T0	40	562100JYI2T0	40	35.0	5.0 ⁽⁴⁾
6.8			568100JYP2T0	568100JYM2T0		568100JYI2T0		38.0	5.0 ⁽⁴⁾
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
3.9	25 x 45 x 57.5	100	539100JYP4T0	539100JYM4T0	55	539100JYI4T0	55	29.0	2.0
4.3			543100JYP4T0	543100JYM4T0		543100JYI4T0		30.0	7.0 ⁽⁴⁾
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
4.7	30 x 45 x 57.5	125	547100JYP5T0	547100JYM5T0	45	547100JYI5T0	45	30.0	7.0 ⁽⁴⁾
5.1			551100JYP5T0	551100JYM5T0		551100JYI5T0		32.0	6.0 ⁽⁴⁾
5.6			556100JYP5T0	556100JYM5T0		556100JYI5T0		35.0	6.0 ⁽⁴⁾
6.2	35 x 50 x 57.5	150	562100JYP5T0	562100JYM5T0	40	562100JYI5T0	40	35.0	5.0 ⁽⁴⁾
6.8			568100JYP5T0	568100JYM5T0		568100JYI5T0		38.0	5.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 1250 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 7.5 mm	4000 V/μs
Pitch = 10 mm	4000 V/μs
Pitch = 15 mm	670 V/μs
Pitch = 22.5 mm	600 V/μs
Pitch = 27.5 mm	370 V/μs
Pitch = 37.5 mm	160 V/μs
Pitch = 52.5 mm	75 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
RC between leads, for C > 1 μF at 100 V; 1 min	> 100 000 S
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 20 pC peak discharge	> 500 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	2000 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 1250 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.00056 μF < C ≤ 0.0068 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0068 μF < C ≤ 0.043 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.043 μF < C ≤ 0.091 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.091 μF < C ≤ 0.68 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
0.68 μF < C ≤ 2.7 μF	≤ 10 x 10 ⁻⁴	-
2.7 μF < C ≤ 5.1 μF	≤ 15 x 10 ⁻⁴	-



$U_{RDC} = 1250\text{ V}$; $U_{RAC} = 450\text{ V}$ / $U_{p-p} = 1250\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX					AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ		SPQ
PITCH = 7.5 mm \pm 0.4 mm; $d_t = 0.50\text{ mm} \pm 0.05\text{ mm}$											
0.00047	3 x 8 x 10	0.34	147125JCA2B0	147125JCM2B0	1500	147125JCI2B0	1000	147125JC02G0	1250	147125JC02W0	1500
0.00051			151125JCA2B0	151125JCM2B0		151125JCI2B0		151125JC02G0		151125JC02W0	
0.00056			156125JCA2B0	156125JCM2B0		156125JCI2B0		156125JC02G0		156125JC02W0	
0.00062			162125JCA2B0	162125JCM2B0		162125JCI2B0		162125JC02G0		162125JC02W0	
0.00068			168125JCA2B0	168125JCM2B0		168125JCI2B0		168125JC02G0		168125JC02W0	
0.00075			175125JCA2B0	175125JCM2B0		175125JCI2B0		175125JC02G0		175125JC02W0	
0.00082			182125JCA2B0	182125JCM2B0		182125JCI2B0		182125JC02G0		182125JC02W0	
0.00091	4 x 9 x 10	0.45	191125JCA2B0	191125JCM2B0	1500	191125JCI2B0	1000	191125JC02G0	1250	191125JC02W0	1500
0.00100			210125JCA2B0	210125JCM2B0		210125JCI2B0		210125JC02G0		210125JC02W0	
0.00110			211125JCA2B0	211125JCM2B0		211125JCI2B0		211125JC02G0		211125JC02W0	
0.00120			212125JCA2B0	212125JCM2B0		212125JCI2B0		212125JC02G0		212125JC02W0	
0.00130			213125JCA2B0	213125JCM2B0		213125JCI2B0		213125JC02G0		213125JC02W0	
0.00150			215125JCA2B0	215125JCM2B0		215125JCI2B0		215125JC02G0		215125JC02W0	
0.00160			216125JCA2B0	216125JCM2B0		216125JCI2B0		216125JC02G0		216125JC02W0	
0.00180	5 x 10.5 x 10	0.6	218125JCA2B0	218125JCM2B0	1000	218125JCI2B0	1250	218125JC02G0	1000	218125JC02W0	1000
0.00200			220125JCA2B0	220125JCM2B0		220125JCI2B0		220125JC02G0		220125JC02W0	
0.00220			222125JCA2B0	222125JCM2B0		222125JCI2B0		222125JC02G0		222125JC02W0	
0.00240			224125JCA2B0	224125JCM2B0		224125JCI2B0		224125JC02G0		224125JC02W0	
0.00270	6 x 11.5 x 10	0.8	227125JCA2B0	227125JCM2B0	750	227125JCI2B0	1000	227125JC02G0	750	227125JC02W0	500
0.00300			230125JCA2B0	230125JCM2B0		230125JCI2B0		230125JC02G0		230125JC02W0	
0.00330			233125JCA2B0	233125JCM2B0		233125JCI2B0		233125JC02G0		233125JC02W0	
0.00360			236125JCA2B0	236125JCM2B0		236125JCI2B0		236125JC02G0		236125JC02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 1250\text{ V}$; $U_{RAC} = 450\text{ V}$ / $U_{p-p} = 1250\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.0030	4 x 12 x 12.5	0.6	230125JC02H0	1300	230125JC02R0	2000	-	-
0.0033			233125JC02H0		233125JC02R0			
0.0036			236125JC02H0		236125JC02R0			
0.0039			239125JC02H0		239125JC02R0			
0.0043			243125JC02H0		243125JC02R0			
0.0047			247125JC02H0		247125JC02R0			
0.0051			251125JC02H0		251125JC02R0			
0.0056	5 x 13 x 12.5	0.82	256125JC02H0	1000	256125JC02R0	1900	-	-
0.0062			262125JC02H0		262125JC02R0			
0.0068			268125JC02H0		268125JC02R0			
0.0075			275125JC02H0		275125JC02R0			
0.0082	6 x 14 x 12.5	1.1	282125JC02H0	850	282125JC02R0	1500	-	-
0.0091			291125JC02H0		291125JC02R0			
0.0100			310125JC02H0		310125JC02R0			
0.0110			311125JC02H0		311125JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.0075	5 x 13 x 17.5	1	-	-	275125JC02R1	950	275125JC02Z0	550
0.0082			282125JC02R1		282125JC02Z0			
0.0091			291125JC02R1		291125JC02Z0			
0.0100			310125JC02R1		310125JC02Z0			
0.0110			311125JC02R1		311125JC02Z0			
0.0120			312125JC02R1		312125JC02Z0			
0.0130			313125JC02R1		313125JC02Z0			
0.0150			315125JC02R1		315125JC02Z0			
0.0160	6 x 14 x 17.5	1.4	-	-	316125JC02R1	800	316125JC02Z0	450
0.0180			318125JC02R1		318125JC02Z0			
0.0200			320125JC02R1		320125JC02Z0			
0.0220			322125JC02R1		322125JC02Z0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.0240	7 x 15.5 x 17.5	1.8	-	-	324125JC02R1	700	324125JC02Z0	400
0.0270			327125JC02R1		327125JC02Z0			
0.0300			330125JC02R1		330125JC02Z0			
0.0330			333125JC02R1		333125JC02Z0			
0.0360	8.5 x 17 x 17.5	2.4	-	-	336125JC02R1	550	336125JC02Z0	300
0.0390			339125JC02R1		339125JC02Z0			
0.0430			343125JC02R1		343125JC02Z0			
0.0470			347125JC02R1		347125JC02Z0			
0.0510	10 x 18.5 x 17.5	3	-	-	351125JC02R1	500	351125JC02Z0	250
0.0560			356125JC02R1		356125JC02Z0			
0.0620			362125JC02R1		362125JC02Z0			
0.0680			368125JC02R1		368125JC02Z0			

Notes

(1) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

(2) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5 \text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$											
0.0030	4 x 10 x 12.5	0.6	230125JDA2B0	230125JDM2B0	1000	230125JDI2B0	1250	230125JD02G0	950	230125JD02W0	1400
0.0033			233125JDA2B0	233125JDM2B0		233125JDI2B0		233125JD02G0		233125JD02W0	
0.0036			236125JDA2B0	236125JDM2B0		236125JDI2B0		236125JD02G0		236125JD02W0	
0.0039			239125JDA2B0	239125JDM2B0		239125JDI2B0		239125JD02G0		239125JD02W0	
0.0043			243125JDA2B0	243125JDM2B0		243125JDI2B0		243125JD02G0		243125JD02W0	
0.0047			247125JDA2B0	247125JDM2B0		247125JDI2B0		247125JD02G0		247125JD02W0	
0.0051			251125JDA2B0	251125JDM2B0		251125JDI2B0		251125JD02G0		251125JD02W0	
0.0056	5 x 11 x 12.5	0.82	256125JDA2B0	256125JDM2B0	1000	256125JDI2B0	1000	256125JD02G0	750	256125JD02W0	1000
0.0062			262125JDA2B0	262125JDM2B0		262125JDI2B0		262125JD02G0		262125JD02W0	
0.0068			268125JDA2B0	268125JDM2B0		268125JDI2B0		268125JD02G0		268125JD02W0	
0.0075			275125JDA2B0	275125JDM2B0		275125JDI2B0		275125JD02G0		275125JD02W0	
0.0082	6 x 12 x 12.5	1.1	282125JDA2B0	282125JDM2B0	750	282125JDI2B0	750	282125JD02G0	600	282125JD02W0	900
0.0091			291125JDA2B0	291125JDM2B0		291125JDI2B0		291125JD02G0		291125JD02W0	
0.0100			310125JDA2B0	310125JDM2B0		310125JDI2B0		310125JD02G0		310125JD02W0	
0.0110			311125JDA2B0	311125JDM2B0		311125JDI2B0		311125JD02G0		311125JD02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60 \text{ mm} \pm 0.06 \text{ mm}$									
0.0075	5 x 11 x 17.5	1	275125JFP2B0	275125JFM2B0	1250	275125JFI2B0	1000	275125JF02W0	1100
0.0082			282125JFP2B0	282125JFM2B0		282125JFI2B0		282125JF02W0	
0.0091			291125JFP2B0	291125JFM2B0		291125JFI2B0		291125JF02W0	
0.0100			310125JFP2B0	310125JFM2B0		310125JFI2B0		310125JF02W0	
0.0110			311125JFP2B0	311125JFM2B0		311125JFI2B0		311125JF02W0	
0.0120			312125JFP2B0	312125JFM2B0		312125JFI2B0		312125JF02W0	
0.0130			313125JFP2B0	313125JFM2B0		313125JFI2B0		313125JF02W0	
0.0150			315125JFP2B0	315125JFM2B0		315125JFI2B0		315125JF02W0	
0.0160	6 x 12 x 17.5	1.4	316125JFP2B0	316125JFM2B0	1000	316125JFI2B0	1000	316125JF02W0	900
0.0180			318125JFP2B0	318125JFM2B0		318125JFI2B0		318125JF02W0	
0.0200			320125JFP2B0	320125JFM2B0		320125JFI2B0		320125JF02W0	
0.0220			322125JFP2B0	322125JFM2B0		322125JFI2B0		322125JF02W0	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.0240	7 x 13.5 x 17.5	1.8	324125JFP2B0	324125JFM2B0	750	324125JFI2B0	500	324125JF02W0	850
0.0270			327125JFP2B0	327125JFM2B0		327125JFI2B0		327125JF02W0	
0.0300			330125JFP2B0	330125JFM2B0		330125JFI2B0		330125JF02W0	
0.0330			333125JFP2B0	333125JFM2B0		333125JFI2B0		333125JF02W0	
0.0360	8.5 x 15 x 17.5	2.4	336125JFP2B0	336125JFM2B0	750	336125JFI2B0	500	336125JF02W0	650
0.0390			339125JFP2B0	339125JFM2B0		339125JFI2B0		339125JF02W0	
0.0430			343125JFP2B0	343125JFM2B0		343125JFI2B0		343125JF02W0	
0.0470			347125JFP2B0	347125JFM2B0		347125JFI2B0		347125JF02W0	
0.0510	10 x 16.5 x 17.5	3	351125JFP2B0	351125JFM2B0	500	351125JFI2B0	450	351125JF02W0	600
0.0560			356125JFP2B0	356125JFM2B0		356125JFI2B0		356125JF02W0	
0.0620			362125JFP2B0	362125JFM2B0		362125JFI2B0		362125JF02W0	
0.0680			368125JFP2B0	368125JFM2B0		368125JFI2B0		368125JF02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.047	6 x 15.5 x 26	2.4	347125JIP2T0	347125JIM2T0	300	347125JII2B0	250	347125JIO2W0	600
0.051			351125JIP2T0	351125JIM2T0		351125JII2B0		351125JIO2W0	
0.056	7 x 16.5 x 26	2.9	356125JIP2T0	356125JIM2T0	200	356125JII2B0	250	356125JIO2W0	500
0.062			362125JIP2T0	362125JIM2T0		362125JII2B0		362125JIO2W0	
0.068			368125JIP2T0	368125JIM2T0		368125JII2B0		368125JIO2W0	
0.075	8.5 x 18 x 26	3.8	375125JIP2T0	375125JIM2T0	200	375125JII2B0	250	375125JIO2W0	450
0.082			382125JIP2T0	382125JIM2T0		382125JII2B0		382125JIO2W0	
0.091			391125JIP2T0	391125JIM2T0		391125JII2B0		391125JIO2W0	
0.100			410125JIP2T0	410125JIM2T0		410125JII2B0		410125JIO2W0	
0.110	10 x 19.5 x 26	6.8	411125JIP2T0	411125JIM2T0	200	411125JII2B0	200	411125JIO2W0	350
0.120			412125JIP2T0	412125JIM2T0		412125JII2B0		412125JIO2W0	
0.130			413125JIP2T0	413125JIM2T0		413125JII2B0		413125JIO2W0	
0.150	12 x 22 x 26	7.8	415125JIP2T0	415125JIM2T0	150	415125JII2B0	200	415125JIO2W0	300
0.160			416125JIP2T0	416125JIM2T0		416125JII2B0		416125JIO2W0	
0.180			418125JIP2T0	418125JIM2T0		418125JII2B0		418125JIO2W0	
0.200			420125JIP2T0	420125JIM2T0		420125JII2B0		420125JIO2W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80 \text{ mm} \pm 0.08 \text{ mm}$									
0.10	9 x 19 x 31.5	5.5	410125JKP2T0	410125JKM2T0	100	410125JKI2B0	150	3.0	40.0
0.11			411125JKP2T0	411125JKM2T0		411125JKI2B0		3.0	36.0
0.12			412125JKP2T0	412125JKM2T0		412125JKI2B0		4.0	33.0
0.13			413125JKP2T0	413125JKM2T0		413125JKI2B0		4.0	31.0
0.15	11 x 21 x 31	7.4	415125JKP2T0	415125JKM2T0	100	415125JKI2B0	125	4.0	27.0
0.16			416125JKP2T0	416125JKM2T0		416125JKI2B0		5.0	25.0
0.18			418125JKP2T0	418125JKM2T0		418125JKI2B0		5.0	22.0
0.20			420125JKP2T0	420125JKM2T0		420125JKI2B0		5.0	20.0
0.22	13 x 23 x 31	9.2	422125JKP2T0	422125JKM2T0	100	422125JKI2B0	125	6.0	18.0
0.24			424125JKP2T0	424125JKM2T0		424125JKI2B0		6.0	17.0
0.27			427125JKP2T0	427125JKM2T0		427125JKI2B0		7.0	15.0
0.30	15 x 25 x 31.5	12.3	430125JKP2T0	430125JKM2T0	100	430125JKI2B0	125	7.0	13.0
0.33			433125JKP2T0	433125JKM2T0		433125JKI2B0		8.0	12.0
0.36			436125JKP2T0	436125JKM2T0		436125JKI2B0		8.0	11.0
0.39	18 x 28 x 31.5	16.1	439125JKP2T0	439125JKM2T0	100	439125JKI2B0	100	8.0	10.0
0.43			443125JKP2T0	443125JKM2T0		443125JKI2B0		9.0	9.0
0.47			447125JKP2T0	447125JKM2T0		447125JKI2B0		9.0	9.0
0.51			451125JKP2T0	451125JKM2T0		451125JKI2B0		10.0	8.0
0.56	21 x 31 x 31	18.3	456125JKP2T0	456125JKM2T0	50	456125JKI2B0	75	11.0	7.0
0.62			462125JKP2T0	462125JKM2T0		462125JKI2B0		11.0	6.0
0.68			468125JKP2T0	468125JKM2T0		468125JKI2B0		12.0	6.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
0.75	16 x 28.5 x 41.5	21.5	475125JPP2T0	475125JPM2T0	125	475125JPI2T0	125	14.0	5.0
0.82			482125JPP2T0	482125JPM2T0		482125JPI2T0		15.0	4.0
0.91	18 x 32.5 x 41.5	28.5	491125JPP2T0	491125JPM2T0	110	491125JPI2T0	110	16.0	4.0
1.00			510125JPP2T0	510125JPM2T0		510125JPI2T0		18.0	3.0
1.10			511125JPP2T0	511125JPM2T0		511125JPI2T0		19.0	3.0
1.20	18.5 x 35.5 x 43	32.5	512125JPP2T0	512125JPM2T0	105	512125JPI2T0	105	20.0	3.0
1.30	21.5 x 38.5 x 43	40	513125JPP2T0	513125JPM2T0	91	513125JPI2T0	91	21.0	3.0
1.50			515125JPP2T0	515125JPM2T0		515125JPI2T0		23.0	2.0
1.60			516125JPP2T0	516125JPM2T0		516125JPI2T0		23.0	2.0
1.80	24 x 44 x 42	50	518125JPP2T0	518125JPM2T0	77	518125JPI2T0	77	25.0	2.0
2.00			520125JPP2T0	520125JPM2T0		520125JPI2T0		26.0	2.0
2.20	30 x 45 x 42	70	522125JPP2T0	522125JPM2T0	63	522125JPI2T0	63	28.0	2.0
2.40			524125JPP2T0	524125JPM2T0		524125JPI2T0		29.0	2.0
2.70			527125JPP2T0	527125JPM2T0		527125JPI2T0		31.0	2.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
0.91	18 x 32.5 x 41.5	28.5	491125JPP4T0	491125JPM4T0	110	491125JPI4T0	110	16.0	4.0
1.00			510125JPP4T0	510125JPM4T0		510125JPI4T0		18.0	3.0
1.10			511125JPP4T0	511125JPM4T0		511125JPI4T0		19.0	3.0
1.20	18.5 x 35.5 x 43	32.5	512125JPP4T0	512125JPM4T0	105	512125JPI4T0	105	20.0	3.0
1.30	21.5 x 38.5 x 43	40	513125JPP4T0	513125JPM4T0	91	513125JPI4T0	91	21.0	3.0
1.50			515125JPP4T0	515125JPM4T0		515125JPI4T0		23.0	2.0
1.60			516125JPP4T0	516125JPM4T0		516125JPI4T0		23.0	2.0
1.80	24 x 44 x 42	50	518125JPP4T0	518125JPM4T0	77	518125JPI4T0	77	25.0	2.0
2.00			520125JPP4T0	520125JPM4T0		520125JPI4T0		26.0	2.0
2.20	30 x 45 x 42	70	522125JPP4T0	522125JPM4T0	63	522125JPI4T0	63	28.0	2.0
2.40			524125JPP4T0	524125JPM4T0		524125JPI4T0		29.0	2.0
2.70			527125JPP4T0	527125JPM4T0		527125JPI4T0		31.0	2.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
2.20	30 x 45 x 42	70	522125JPP5T0	522125JPM5T0	63	522125JPI5T0	63	28.0	2.0
2.40			524125JPP5T0	524125JPM5T0		524125JPI5T0		29.0	2.0
2.70			527125JPP5T0	527125JPM5T0		527125JPI5T0		31.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1250 \text{ V}$; $U_{RAC} = 450 \text{ V}$ / $U_{p-p} = 1250 \text{ V}$; C-tol. = $\pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
3.0	25 x 45 x 57.5	100	530125JYP2T0	530125JYM2T0	55	530125JYI2T0	55	32.0	2.0
3.3			533125JYP2T0	533125JYM2T0		533125JYI2T0		33.0	2.0
3.6	30 x 45 x 57.5	125	536125JYP2T0	536125JYM2T0	45	536125JYI2T0	45	34.0	2.0
3.9			539125JYP2T0	539125JYM2T0		539125JYI2T0		34.0	2.0
4.3	35 x 50 x 57.5	150	543125JYP2T0	543125JYM2T0	40	543125JYI2T0	40	35.0	6.0 ⁽⁴⁾
4.7			547125JYP2T0	547125JYM2T0		547125JYI2T0		35.0	5.0 ⁽⁴⁾
5.1			551125JYP2T0	551125JYM2T0		551125JYI2T0		35.0	5.0 ⁽⁴⁾
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
3.0	25 x 45 x 57.5	100	530125JYP4T0	530125JYM4T0	55	530125JYI4T0	55	32.0	2.0
3.3			533125JYP4T0	533125JYM4T0		533125JYI4T0		33.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
3.6	30 x 45 x 57.5	125	536125JYP5T0	536125JYM5T0	45	536125JYI5T0	45	34.0	2.0
3.9			539125JYP5T0	539125JYM5T0		539125JYI5T0		34.0	2.0
4.3	35 x 50 x 57.5	150	543125JYP5T0	543125JYM5T0	40	543125JYI5T0	40	35.0	6.0 ⁽⁴⁾
4.7			547125JYP5T0	547125JYM5T0		547125JYI5T0		35.0	5.0 ⁽⁴⁾
5.1			551125JYP5T0	551125JYM5T0		551125JYI5T0		35.0	5.0 ⁽⁴⁾

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz
- (4) The ESR (Equivalent Series Resistance) typical values at 10 kHz



SPECIFIC REFERENCE DATA - 1600 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 10 mm	4000 V/μs
Pitch = 15 mm	2000 V/μs
Pitch = 22.5 mm	1700 V/μs
Pitch = 27.5 mm	1200 V/μs
Pitch = 37.5 mm	300 V/μs
Pitch = 52.5 mm	130 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 20 pC peak discharge	> 660 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	2560 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 1600 V _{DC}		
CAPACITANCE RANGE	VALUE	
	10 kHz	100 kHz
0.00047 μF < C ≤ 0.0091 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0091 μF < C ≤ 0.051 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.051 μF < C ≤ 0.39 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
0.39 μF < C ≤ 1 μF	≤ 10 x 10 ⁻⁴	≤ 25 x 10 ⁻⁴
1 μF < C ≤ 2.7 μF	≤ 10 x 10 ⁻⁴	-



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}/U_{p-p} = 1600\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.00047	4 x 12 x 12.5	0.6	147160JC02H0	1300	147160JC02R0	2000	-	-
0.00051			151160JC02H0		151160JC02R0			
0.00056			156160JC02H0		156160JC02R0			
0.00062			162160JC02H0		162160JC02R0			
0.00068			168160JC02H0		168160JC02R0			
0.00075			175160JC02H0		175160JC02R0			
0.00082			182160JC02H0		182160JC02R0			
0.00091			191160JC02H0		191160JC02R0			
0.00100			210160JC02H0		210160JC02R0			
0.00110			211160JC02H0		211160JC02R0			
0.00120			212160JC02H0		212160JC02R0			
0.00130			213160JC02H0		213160JC02R0			
0.00150			215160JC02H0		215160JC02R0			
0.00160			216160JC02H0		216160JC02R0			
0.00180			218160JC02H0		218160JC02R0			
0.00200			220160JC02H0		220160JC02R0			
0.00220			222160JC02H0		222160JC02R0			
0.00240			224160JC02H0		224160JC02R0			
0.00270			227160JC02H0		227160JC02R0			
0.00300			230160JC02H0		230160JC02R0			
0.00330	233160JC02H0	233160JC02R0						
0.00360	5 x 13 x 12.5	0.82	236160JC02H0	1000	236160JC02R0	1900	-	-
0.00390			239160JC02H0		239160JC02R0			
0.00430			243160JC02H0		243160JC02R0			
0.00470			247160JC02H0		247160JC02R0			
0.00510			251160JC02H0		251160JC02R0			
0.00560	6 x 14 x 12.5	1.1	256160JC02H0	850	256160JC02R0	1500	-	-
0.00620			262160JC02H0		262160JC02R0			
0.00680			268160JC02H0		268160JC02R0			
0.00750			275160JC02H0		275160JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.00390	5 x 13 x 17.5	1	-	-	239160JC02R1	950	239160JC02Z0	550
0.00430			243160JC02R1		243160JC02Z0			
0.00470			247160JC02R1		247160JC02Z0			
0.00510			251160JC02R1		251160JC02Z0			
0.00560			256160JC02R1		256160JC02Z0			
0.00620			262160JC02R1		262160JC02Z0			
0.00680			268160JC02R1		268160JC02Z0			
0.00750			275160JC02R1		275160JC02Z0			
0.00820			282160JC02R1		282160JC02Z0			
0.00910			291160JC02R1		291160JC02Z0			
0.010	6 x 14 x 17.5	1.4	-	-	310160JC02R1	800	310160JC02Z0	450
0.011			311160JC02R1		311160JC02Z0			
0.012			312160JC02R1		312160JC02Z0			
0.013			313160JC02R1		313160JC02Z0			



C (µF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm ± 0.4 mm; d_t = 0.80 mm ± 0.08 mm								
0.015	7 x 15.5 x 17.5	1.8	-	-	315160JC02R1	700	315160JC02Z0	400
0.016					316160JC02R1		316160JC02Z0	
0.018					318160JC02R1		318160JC02Z0	
0.020	8.5 x 17 x 17.5	2.4	-	-	320160JC02R1	550	320160JC02Z0	300
0.022					322160JC02R1		322160JC02Z0	
0.024					324160JC02R1		324160JC02Z0	
0.027					327160JC02R1		327160JC02Z0	
0.030	10 x 18.5 x 17.5	3	-	-	330160JC02R1	500	330160JC02Z0	250
0.033					333160JC02R1		333160JC02Z0	
0.036					336160JC02R1		336160JC02Z0	
0.039					339160JC02R1		339160JC02Z0	

Notes

⁽¹⁾ H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

⁽²⁾ Weight for short lead product only
SPQ = Standard Packing Quantity

U_{RDC} = 1600 V; U_{RAC} = 550 V/U_{p-p} = 1600 V; C-tol. = ± 5 %

C (µF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm		
			l _t = 3.5 mm + 1 mm/ - 0.5 mm	l _t = 5 mm ± 1 mm	SPQ	l _t = 25 mm ± 2 mm	SPQ		SPQ		SPQ
PITCH = 10 mm ± 0.4 mm; d_t = 0.60 mm ± 0.06 mm											
0.00047	4 x 10 x 12.5	0.6	147160JDA2B0	147160JDM2B0	1000	147160JDI2B0	1250	147160JD02G0	950	147160JD02W0	1400
0.00051			151160JDA2B0	151160JDM2B0		151160JDI2B0		151160JD02G0		151160JD02W0	
0.00056			156160JDA2B0	156160JDM2B0		156160JDI2B0		156160JD02G0		156160JD02W0	
0.00062			162160JDA2B0	162160JDM2B0		162160JDI2B0		162160JD02G0		162160JD02W0	
0.00068			168160JDA2B0	168160JDM2B0		168160JDI2B0		168160JD02G0		168160JD02W0	
0.00075			175160JDA2B0	175160JDM2B0		175160JDI2B0		175160JD02G0		175160JD02W0	
0.00082			182160JDA2B0	182160JDM2B0		182160JDI2B0		182160JD02G0		182160JD02W0	
0.00091			191160JDA2B0	191160JDM2B0		191160JDI2B0		191160JD02G0		191160JD02W0	
0.00100			210160JDA2B0	210160JDM2B0		210160JDI2B0		210160JD02G0		210160JD02W0	
0.00110			211160JDA2B0	211160JDM2B0		211160JDI2B0		211160JD02G0		211160JD02W0	
0.00120			212160JDA2B0	212160JDM2B0		212160JDI2B0		212160JD02G0		212160JD02W0	
0.00130			213160JDA2B0	213160JDM2B0		213160JDI2B0		213160JD02G0		213160JD02W0	
0.00150			215160JDA2B0	215160JDM2B0		215160JDI2B0		215160JD02G0		215160JD02W0	
0.00160			216160JDA2B0	216160JDM2B0		216160JDI2B0		216160JD02G0		216160JD02W0	
0.00180			218160JDA2B0	218160JDM2B0		218160JDI2B0		218160JD02G0		218160JD02W0	
0.00200			220160JDA2B0	220160JDM2B0		220160JDI2B0		220160JD02G0		220160JD02W0	
0.00220			222160JDA2B0	222160JDM2B0		222160JDI2B0		222160JD02G0		222160JD02W0	
0.00240			224160JDA2B0	224160JDM2B0		224160JDI2B0		224160JD02G0		224160JD02W0	
0.00270			227160JDA2B0	227160JDM2B0		227160JDI2B0		227160JD02G0		227160JD02W0	
0.00300			230160JDA2B0	230160JDM2B0		230160JDI2B0		230160JD02G0		230160JD02W0	
0.00330	233160JDA2B0	233160JDM2B0	233160JDI2B0	233160JD02G0	233160JD02W0						
0.00360	5 x 11 x 12.5	0.82	236160JDA2B0	236160JDM2B0	1000	236160JDI2B0	1000	236160JD02G0	750	236160JD02W0	1000
0.00390			239160JDA2B0	239160JDM2B0		239160JDI2B0		239160JD02G0		239160JD02W0	
0.00430			243160JDA2B0	243160JDM2B0		243160JDI2B0		243160JD02G0		243160JD02W0	
0.00470			247160JDA2B0	247160JDM2B0		247160JDI2B0		247160JD02G0		247160JD02W0	
0.00510	251160JDA2B0	251160JDM2B0	251160JDI2B0	251160JD02G0	251160JD02W0						
0.00560	6 x 12 x 12.5	1.1	256160JDA2B0	256160JDM2B0	750	256160JDI2B0	750	256160JD02G0	600	256160JD02W0	900
0.00620			262160JDA2B0	262160JDM2B0		262160JDI2B0		262160JD02G0		262160JD02W0	
0.00680			268160JDA2B0	268160JDM2B0		268160JDI2B0		268160JD02G0		268160JD02W0	
0.00750			275160JDA2B0	275160JDM2B0		275160JDI2B0		275160JD02G0		275160JD02W0	

Notes

⁽¹⁾ Reel diameter = 356 mm is available on request

⁽²⁾ H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

⁽³⁾ Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}$ / $U_{p-p} = 1600\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REELPACK ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm} \pm 0.3\text{ mm}$	$l_t = 5\text{ mm} \pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm} \pm 2\text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60\text{ mm} \pm 0.06\text{ mm}$									
0.0039	5 x 11 x 17.5	1	239160JFP2B0	239160JFM2B0	1250	239160JFI2B0	1000	239160JF02W0	1100
0.0043			243160JFP2B0	243160JFM2B0		243160JFI2B0		243160JF02W0	
0.0047			247160JFP2B0	247160JFM2B0		247160JFI2B0		247160JF02W0	
0.0051			251160JFP2B0	251160JFM2B0		251160JFI2B0		251160JF02W0	
0.0056			256160JFP2B0	256160JFM2B0		256160JFI2B0		256160JF02W0	
0.0062			262160JFP2B0	262160JFM2B0		262160JFI2B0		262160JF02W0	
0.0068			268160JFP2B0	268160JFM2B0		268160JFI2B0		268160JF02W0	
0.0075			275160JFP2B0	275160JFM2B0		275160JFI2B0		275160JF02W0	
0.0082			282160JFP2B0	282160JFM2B0		282160JFI2B0		282160JF02W0	
0.0091			291160JFP2B0	291160JFM2B0		291160JFI2B0		291160JF02W0	
0.0100	6 x 12 x 17.5	1.4	310160JFP2B0	310160JFM2B0	1000	310160JFI2B0	1000	310160JF02W0	900
0.0110			311160JFP2B0	311160JFM2B0		311160JFI2B0		311160JF02W0	
0.0120			312160JFP2B0	312160JFM2B0		312160JFI2B0		312160JF02W0	
0.0130			313160JFP2B0	313160JFM2B0		313160JFI2B0		313160JF02W0	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.0150	7 x 13.5 x 17.5	1.8	315160JFP2B0	315160JFM2B0	750	315160JFI2B0	500	315160JF02W0	850
0.0160			316160JFP2B0	316160JFM2B0		316160JFI2B0		316160JF02W0	
0.0180			318160JFP2B0	318160JFM2B0		318160JFI2B0		318160JF02W0	
0.0200	8.5 x 15 x 17.5	2.4	320160JFP2B0	320160JFM2B0	750	320160JFI2B0	500	320160JF02W0	650
0.0220			322160JFP2B0	322160JFM2B0		322160JFI2B0		322160JF02W0	
0.0240			324160JFP2B0	324160JFM2B0		324160JFI2B0		324160JF02W0	
0.0270			327160JFP2B0	327160JFM2B0		327160JFI2B0		327160JF02W0	
0.0300	10 x 16.5 x 17.5	3	330160JFP2B0	330160JFM2B0	500	330160JFI2B0	450	330160JF02W0	600
0.0330			333160JFP2B0	333160JFM2B0		333160JFI2B0		333160JF02W0	
0.0360			336160JFP2B0	336160JFM2B0		336160JFI2B0		336160JF02W0	
0.0390			339160JFP2B0	339160JFM2B0		339160JFI2B0		339160JF02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}$ / $U_{p-p} = 1600\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.010	6 x 15.5 x 26	2.4	310160JIP2T0	310160JIM2T0	300	310160JII2B0	250	310160JIO2W0	600
0.011			311160JIP2T0	311160JIM2T0		311160JII2B0		311160JIO2W0	
0.012			312160JIP2T0	312160JIM2T0		312160JII2B0		312160JIO2W0	
0.013			313160JIP2T0	313160JIM2T0		313160JII2B0		313160JIO2W0	
0.015			315160JIP2T0	315160JIM2T0		315160JII2B0		315160JIO2W0	
0.016			316160JIP2T0	316160JIM2T0		316160JII2B0		316160JIO2W0	
0.018			318160JIP2T0	318160JIM2T0		318160JII2B0		318160JIO2W0	
0.020			320160JIP2T0	320160JIM2T0		320160JII2B0		320160JIO2W0	
0.022			322160JIP2T0	322160JIM2T0		322160JII2B0		322160JIO2W0	
0.024			324160JIP2T0	324160JIM2T0		324160JII2B0		324160JIO2W0	
0.027			327160JIP2T0	327160JIM2T0		327160JII2B0		327160JIO2W0	
0.030			330160JIP2T0	330160JIM2T0		330160JII2B0		330160JIO2W0	
0.033			7 x 16.5 x 26	2.9		333160JIP2T0		333160JIM2T0	
0.036	336160JIP2T0	336160JIM2T0			336160JII2B0	336160JIO2W0			
0.039	339160JIP2T0	339160JIM2T0			339160JII2B0	339160JIO2W0			
0.043	343160JIP2T0	343160JIM2T0			343160JII2B0	343160JIO2W0			
0.047	8.5 x 18 x 26	3.8	347160JIP2T0	347160JIM2T0	200	347160JII2B0	250	347160JIO2W0	450
0.051			351160JIP2T0	351160JIM2T0		351160JII2B0		351160JIO2W0	
0.056			356160JIP2T0	356160JIM2T0		356160JII2B0		356160JIO2W0	
0.062			362160JIP2T0	362160JIM2T0		362160JII2B0		362160JIO2W0	
0.068	10 x 19.5 x 26	6.8	368160JIP2T0	368160JIM2T0	200	368160JII2B0	200	368160JIO2W0	350
0.075			375160JIP2T0	375160JIM2T0		375160JII2B0		375160JIO2W0	
0.082			382160JIP2T0	382160JIM2T0		382160JII2B0		382160JIO2W0	
0.091	12 x 22 x 26	7.8	391160JIP2T0	391160JIM2T0	150	391160JII2B0	200	391160JIO2W0	300
0.100			410160JIP2T0	410160JIM2T0		410160JII2B0		410160JIO2W0	
0.110			411160JIP2T0	411160JIM2T0		411160JII2B0		411160JIO2W0	
0.120			412160JIP2T0	412160JIM2T0		412160JII2B0		412160JIO2W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}$ / $U_{p-p} = 1600\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.062	9 x 19 x 31.5	5.5	362160JKP2T0	362160JKM2T0	100	362160JKI2B0	150	3.0	51.0
0.068			368160JKP2T0	368160JKM2T0		368160JKI2B0		3.0	47.0
0.075			375160JKP2T0	375160JKM2T0		375160JKI2B0		3.0	43.0
0.082	11 x 21 x 31	7.4	382160JKP2T0	382160JKM2T0	100	382160JKI2B0	125	3.0	39.0
0.091			391160JKP2T0	391160JKM2T0		391160JKI2B0		3.0	35.0
0.100			410160JKP2T0	410160JKM2T0		410160JKI2B0		3.0	32.0
0.110			411160JKP2T0	411160JKM2T0		411160JKI2B0		3.0	29.0
0.120			412160JKP2T0	412160JKM2T0		412160JKI2B0		3.0	27.0
0.130	13 x 23 x 31	9.2	413160JKP2T0	413160JKM2T0	100	413160JKI2B0	125	3.0	25.0
0.150			415160JKP2T0	415160JKM2T0		415160JKI2B0		4.0	21.0
0.160			416160JKP2T0	416160JKM2T0		416160JKI2B0		4.0	20.0
0.180	15 x 25 x 31.5	12.3	418160JKP2T0	418160JKM2T0	100	418160JKI2B0	125	4.0	18.0
0.200			420160JKP2T0	420160JKM2T0		420160JKI2B0		4.0	16.0
0.220	18 x 28 x 31.5	16.1	422160JKP2T0	422160JKM2T0	100	422160JKI2B0	100	4.0	15.0
0.240			424160JKP2T0	424160JKM2T0		424160JKI2B0		5.0	13.0
0.270			427160JKP2T0	427160JKM2T0		427160JKI2B0		5.0	12.0
0.300			430160JKP2T0	430160JKM2T0		430160JKI2B0		6.0	11.0
0.330	21 x 31 x 31	18.3	433160JKP2T0	433160JKM2T0	50	433160JKI2B0	75	7.0	10.0
0.360			436160JKP2T0	436160JKM2T0		436160JKI2B0		8.0	9.0
0.390			439160JKP2T0	439160JKM2T0		439160JKI2B0		8.0	8.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}$ / $U_{p-p} = 1600\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ TWO PIN VERSION									
0.43	18 x 32.5 x 41.5	28.5	443160JPP2T0	443160JPM2T0	110	443160JPI2T0	110	10.0	9.0
0.47			447160JPP2T0	447160JPM2T0		447160JPI2T0		10.0	9.0
0.51			451160JPP2T0	451160JPM2T0		451160JPI2T0		11.0	8.0
0.60	18.5 x 35.5 x 43	32.5	460160JPP2T0	460160JPM2T0	105	460160JPI2T0	105	12.0	7.0
0.62			462160JPP2T0	462160JPM2T0		462160JPI2T0		13.0	6.0
0.68	21.5 x 38.5 x 43	40	468160JPP2T0	468160JPM2T0	91	468160JPI2T0	91	14.0	6.0
0.75			475160JPP2T0	475160JPM2T0		475160JPI2T0		15.0	5.0
0.82			482160JPP2T0	482160JPM2T0		482160JPI2T0		15.0	5.0
0.91	24 x 44 x 42	50	491160JPP2T0	491160JPM2T0	77	491160JPI2T0	77	17.0	4.0
1.00			510160JPP2T0	510160JPM2T0		510160JPI2T0		18.0	4.0
1.10	30 x 45 x 42	70	511160JPP2T0	511160JPM2T0	63	511160JPI2T0	63	19.0	2.0
1.20			512160JPP2T0	512160JPM2T0		512160JPI2T0		20.0	2.0
1.30			513160JPP2T0	513160JPM2T0		513160JPI2T0		22.0	2.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ FOUR PIN VERSION									
0.43	18 x 32.5 x 41.5	28.5	443160JPP4T0	443160JPM4T0	110	443160JPI4T0	110	10.0	9.0
0.47			447160JPP4T0	447160JPM4T0		447160JPI4T0		10.0	9.0
0.51			451160JPP4T0	451160JPM4T0		451160JPI4T0		11.0	8.0
0.60	18.5 x 35.5 x 43	32.5	460160JPP4T0	460160JPM4T0	105	460160JPI4T0	105	12.0	7.0
0.62			462160JPP4T0	462160JPM4T0		462160JPI4T0		13.0	6.0
0.68	21.5 x 38.5 x 43	40	468160JPP4T0	468160JPM4T0	91	468160JPI4T0	91	14.0	6.0
0.75			475160JPP4T0	475160JPM4T0		475160JPI4T0		15.0	5.0
0.82			482160JPP4T0	482160JPM4T0		482160JPI4T0		15.0	5.0
0.91	24 x 44 x 42	50	491160JPP4T0	491160JPM4T0	77	491160JPI4T0	77	17.0	4.0
1.00			510160JPP4T0	510160JPM4T0		510160JPI4T0		18.0	4.0
1.10	30 x 45 x 42	70	511160JPP4T0	511160JPM4T0	63	511160JPI4T0	63	19.0	2.0
1.20			512160JPP4T0	512160JPM4T0		512160JPI4T0		20.0	2.0
1.30			513160JPP4T0	513160JPM4T0		513160JPI4T0		22.0	2.0
PITCH P1= 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ FOUR PIN VERSION									
1.10	30 x 45 x 42	70	511160JPP5T0	511160JPM5T0	63	511160JPI5T0	63	19.0	2.0
1.20			512160JPP5T0	512160JPM5T0		512160JPI5T0		20.0	2.0
1.30			513160JPP5T0	513160JPM5T0		513160JPI5T0		22.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 1600\text{ V}$; $U_{RAC} = 550\text{ V}$ / $U_{p-p} = 1600\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ TWO PIN VERSION									
1.5	25 x 45 x 57.5	100	515160JYP2T0	515160JYM2T0	55	515160JYI2T0	55	25.0	3.0
1.6			516160JYP2T0	516160JYM2T0		516160JYI2T0		26.0	3.0
1.8	30 x 45 x 57.5	125	518160JYP2T0	518160JYM2T0	45	518160JYI2T0	45	28.0	2.0
2.0			520160JYP2T0	520160JYM2T0		520160JYI2T0		31.0	2.0
2.2	35 x 50 x 57.5	150	522160JYP2T0	522160JYM2T0	40	522160JYI2T0	40	33.0	2.0
2.4			524160JYP2T0	524160JYM2T0		524160JYI2T0		35.0	2.0
2.7			527160JYP2T0	527160JYM2T0		527160JYI2T0		37.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
1.5	25 x 45 x 57.5	100	515160JYP4T0	515160JYM4T0	55	515160JYI4T0	55	25.0	3.0
1.6			516160JYP4T0	516160JYM4T0		516160JYI4T0		26.0	3.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
1.8	30 x 45 x 57.5	125	518160JYP5T0	518160JYM5T0	45	518160JYI5T0	45	28.0	2.0
2.0			520160JYP5T0	520160JYM5T0		520160JYI5T0		31.0	2.0
2.2	35 x 50 x 57.5	150	522160JYP5T0	522160JYM5T0	40	522160JYI5T0	40	33.0	2.0
2.4			524160JYP5T0	524160JYM5T0		524160JYI5T0		35.0	2.0
2.7			527160JYP5T0	527160JYM5T0		527160JYI5T0		37.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



SPECIFIC REFERENCE DATA - 2000 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 10 mm	4000 V/μs
Pitch = 15 mm	2900 V/μs
Pitch = 22.5 mm	2500 V/μs
Pitch = 27.5 mm	1700 V/μs
Pitch = 37.5 mm	350 V/μs
Pitch = 52.5 mm	150 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 20 pC peak discharge	> 750 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	3200 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 2000 V _{DC}		
CAPACITANCE RANGE	VALUE	
	10 kHz	100 kHz
0.00047 μF < C ≤ 0.0091 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.0091 μF < C ≤ 0.22 μF	≤ 10 x 10 ⁻⁴	≤ 15 x 10 ⁻⁴
0.22 μF < C ≤ 1 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴
1 μF < C ≤ 2 μF	≤ 10 x 10 ⁻⁴	-



Bent back pitch: 7.5 mm (only taped); $U_{RDC} = 2000\text{ V}$; $U_{RAC} = 700\text{ V}$ / $U_{p-p} = 2000\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H' x L (mm)	MASS (g) ⁽²⁾	CATALOG NUMBER MKP385 AND PACKAGING					
			AMMOPACK ⁽¹⁾		REEL (500 mm) ⁽¹⁾		REEL (356 mm) ⁽¹⁾	
			H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ	H = 16 mm P ₀ = 15 mm	SPQ
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.00047	4 x 12 x 12.5	0.6	147200JC02H0	1300	147200JC02R0	2000	-	-
0.00051			151200JC02H0		151200JC02R0			
0.00056			156200JC02H0		156200JC02R0			
0.00062			162200JC02H0		162200JC02R0			
0.00068			168200JC02H0		168200JC02R0			
0.00075			175200JC02H0		175200JC02R0			
0.00082			182200JC02H0		182200JC02R0			
0.00091			191200JC02H0		191200JC02R0			
0.00100			210200JC02H0		210200JC02R0			
0.00110			211200JC02H0		211200JC02R0			
0.00120			212200JC02H0		212200JC02R0			
0.00130			213200JC02H0		213200JC02R0			
0.00150			215200JC02H0		215200JC02R0			
0.00160			216200JC02H0		216200JC02R0			
0.00180			218200JC02H0		218200JC02R0			
0.00200	5 x 13 x 12.5	0.82	220200JC02H0	1000	220200JC02R0	1900	-	-
0.00220			222200JC02H0		222200JC02R0			
0.00240			224200JC02H0		224200JC02R0			
0.00270			227200JC02H0		227200JC02R0			
0.00300	6 x 14 x 12.5	1.1	230200JC02H0	850	230200JC02R0	1500	-	-
0.00330			233200JC02H0		233200JC02R0			
0.00360			236200JC02H0		236200JC02R0			
0.00390			239200JC02H0		239200JC02R0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.60 mm \pm 0.06 mm								
0.00200	5 x 13 x 17.5	1	-	-	220200JC02R1	950	220200JC02Z0	550
0.00220			222200JC02R1		222200JC02Z0			
0.00240			224200JC02R1		224200JC02Z0			
0.00270			227200JC02R1		227200JC02Z0			
0.00300			230200JC02R1		230200JC02Z0			
0.00330			233200JC02R1		233200JC02Z0			
0.00360			236200JC02R1		236200JC02Z0			
0.00390			239200JC02R1		239200JC02Z0			
0.00430			243200JC02R1		243200JC02Z0			
0.00470			247200JC02R1		247200JC02Z0			
0.00510			251200JC02R1		251200JC02Z0			
0.00560	6 x 16 x 17.5	1.4	-	-	256200JC02R1	800	256200JC02Z0	450
0.00620			262200JC02R1		262200JC02Z0			
0.00680			268200JC02R1		268200JC02Z0			
0.00750			275200JC02R1		275200JC02Z0			
BENT BACK PITCH = 7.5 mm \pm 0.4 mm; d_t = 0.80 mm \pm 0.08 mm								
0.0082	7 x 15.5 x 17.5	1.8	-	-	282200JC02R1	700	282200JC02Z0	400
0.0091			291200JC02R1		291200JC02Z0			
0.0100			310200JC02R1		310200JC02Z0			
0.0110			311200JC02R1		311200JC02Z0			
0.0120	8.5 x 17 x 17.5	2.4	-	-	312200JC02R1	550	312200JC02Z0	300
0.0130			313200JC02R1		313200JC02Z0			
0.0150			315200JC02R1		315200JC02Z0			
0.0160			316200JC02R1		316200JC02Z0			
0.0180	10 x 18.5 x 17.5	3	-	-	318200JC02R1	500	318200JC02Z0	250
0.0200			320200JC02R1		320200JC02Z0			
0.0220			322200JC02R1		322200JC02Z0			

Notes

(1) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139

(2) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 700\text{ V}$ / $U_{p-p} = 2000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIM. W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING								
			LOOSE IN BOX				AMMOPACK ⁽²⁾		REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5\text{ mm}$ + 1 mm/ - 0.5 mm	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ		SPQ
PITCH = 10 mm \pm 0.4 mm; $d_t = 0.60\text{ mm} \pm 0.06\text{ mm}$											
0.00047	4 x 10 x 12.5	0.6	147200JDA2B0	147200JDM2B0	1000	147200JDI2B0	1250	147200JD02G0	950	147200JD02W0	1400
0.00051			151200JDA2B0	151200JDM2B0		151200JDI2B0		151200JD02G0		151200JD02W0	
0.00056			156200JDA2B0	156200JDM2B0		156200JDI2B0		156200JD02G0		156200JD02W0	
0.00062			162200JDA2B0	162200JDM2B0		162200JDI2B0		162200JD02G0		162200JD02W0	
0.00068			168200JDA2B0	168200JDM2B0		168200JDI2B0		168200JD02G0		168200JD02W0	
0.00075			175200JDA2B0	175200JDM2B0		175200JDI2B0		175200JD02G0		175200JD02W0	
0.00082			182200JDA2B0	182200JDM2B0		182200JDI2B0		182200JD02G0		182200JD02W0	
0.00091			191200JDA2B0	191200JDM2B0		191200JDI2B0		191200JD02G0		191200JD02W0	
0.00100			210200JDA2B0	210200JDM2B0		210200JDI2B0		210200JD02G0		210200JD02W0	
0.00110			211200JDA2B0	211200JDM2B0		211200JDI2B0		211200JD02G0		211200JD02W0	
0.00120			212200JDA2B0	212200JDM2B0		212200JDI2B0		212200JD02G0		212200JD02W0	
0.00130			213200JDA2B0	213200JDM2B0		213200JDI2B0		213200JD02G0		213200JD02W0	
0.00150			215200JDA2B0	215200JDM2B0		215200JDI2B0		215200JD02G0		215200JD02W0	
0.00160			216200JDA2B0	216200JDM2B0		216200JDI2B0		216200JD02G0		216200JD02W0	
0.00180			218200JDA2B0	218200JDM2B0		218200JDI2B0		218200JD02G0		218200JD02W0	
0.00200	5 x 11 x 12.5	0.82	220200JDA2B0	220200JDM2B0	1000	220200JDI2B0	1000	220200JD02G0	750	220200JD02W0	1000
0.00220			222200JDA2B0	222200JDM2B0		222200JDI2B0		222200JD02G0		222200JD02W0	
0.00240			224200JDA2B0	224200JDM2B0		224200JDI2B0		224200JD02G0		224200JD02W0	
0.00270			227200JDA2B0	227200JDM2B0		227200JDI2B0		227200JD02G0		227200JD02W0	
0.00300	6 x 12 x 12.5	1.1	230200JDA2B0	230200JDM2B0	750	230200JDI2B0	750	230200JD02G0	600	230200JD02W0	900
0.00330			233200JDA2B0	233200JDM2B0		233200JDI2B0		233200JD02G0		233200JD02W0	
0.00360			236200JDA2B0	236200JDM2B0		236200JDI2B0		236200JD02G0		236200JD02W0	
0.00390			239200JDA2B0	239200JDM2B0		239200JDI2B0		239200JD02G0		239200JD02W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 700\text{ V}$ / $U_{p-p} = 2000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX				REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS		LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm		
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.60\text{ mm} \pm 0.06\text{ mm}$									
0.00047	5 x 11 x 17.5	1	147200JFP2B0	147200JFM2B0	1250	147200JFI2B0	1000	147200JF02W0	1100
0.00051			151200JFP2B0	151200JFM2B0		151200JFI2B0		151200JF02W0	
0.00056			156200JFP2B0	156200JFM2B0		156200JFI2B0		156200JF02W0	
0.00062			162200JFP2B0	162200JFM2B0		162200JFI2B0		162200JF02W0	
0.00068			168200JFP2B0	168200JFM2B0		168200JFI2B0		168200JF02W0	
0.00075			175200JFP2B0	175200JFM2B0		175200JFI2B0		175200JF02W0	
0.00082			182200JFP2B0	182200JFM2B0		182200JFI2B0		182200JF02W0	
0.00091			191200JFP2B0	191200JFM2B0		191200JFI2B0		191200JF02W0	
0.00100			210200JFP2B0	210200JFM2B0		210200JFI2B0		210200JF02W0	
0.00110			211200JFP2B0	211200JFM2B0		211200JFI2B0		211200JF02W0	
0.00120			212200JFP2B0	212200JFM2B0		212200JFI2B0		212200JF02W0	
0.00130			213200JFP2B0	213200JFM2B0		213200JFI2B0		213200JF02W0	
0.00150			215200JFP2B0	215200JFM2B0		215200JFI2B0		215200JF02W0	
0.00160			216200JFP2B0	216200JFM2B0		216200JFI2B0		216200JF02W0	
0.00180			218200JFP2B0	218200JFM2B0		218200JFI2B0		218200JF02W0	
0.00200			220200JFP2B0	220200JFM2B0		220200JFI2B0		220200JF02W0	
0.00220			222200JFP2B0	222200JFM2B0		222200JFI2B0		222200JF02W0	
0.00240			224200JFP2B0	224200JFM2B0		224200JFI2B0		224200JF02W0	
0.00270			227200JFP2B0	227200JFM2B0		227200JFI2B0		227200JF02W0	
0.00300			230200JFP2B0	230200JFM2B0		230200JFI2B0		230200JF02W0	
0.00330	233200JFP2B0	233200JFM2B0	233200JFI2B0	233200JF02W0					
0.00360	236200JFP2B0	236200JFM2B0	236200JFI2B0	236200JF02W0					
0.00390	239200JFP2B0	239200JFM2B0	239200JFI2B0	239200JF02W0					
0.00430	243200JFP2B0	243200JFM2B0	243200JFI2B0	243200JF02W0					
0.00470	247200JFP2B0	247200JFM2B0	247200JFI2B0	247200JF02W0					
0.00510	251200JFP2B0	251200JFM2B0	251200JFI2B0	251200JF02W0					
0.00560	6 x 12 x 17.5	1.4	256200JFP2B0	256200JFM2B0	1000	256200JFI2B0	1000	256200JF02W0	900
0.00620			262200JFP2B0	262200JFM2B0		262200JFI2B0		262200JF02W0	
0.00680			268200JFP2B0	268200JFM2B0		268200JFI2B0		268200JF02W0	
0.00750			275200JFP2B0	275200JFM2B0		275200JFI2B0		275200JF02W0	
PITCH = 15 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.00820	7 x 13.5 x 17.5	1.8	282200JFP2B0	282200JFM2B0	750	282200JFI2B0	500	282200JF02W0	850
0.00910			291200JFP2B0	291200JFM2B0		291200JFI2B0		291200JF02W0	
0.01000			310200JFP2B0	310200JFM2B0		310200JFI2B0		310200JF02W0	
0.01100			311200JFP2B0	311200JFM2B0		311200JFI2B0		311200JF02W0	
0.01200	8.5 x 15 x 17.5	2.4	312200JFP2B0	312200JFM2B0	750	312200JFI2B0	500	312200JF02W0	650
0.01300			313200JFP2B0	313200JFM2B0		313200JFI2B0		313200JF02W0	
0.01500			315200JFP2B0	315200JFM2B0		315200JFI2B0		315200JF02W0	
0.01600			316200JFP2B0	316200JFM2B0		316200JFI2B0		316200JF02W0	
0.01800	10 x 16.5 x 17.5	3	318200JFP2B0	318200JFM2B0	500	318200JFI2B0	500	318200JF02W0	600
0.02000			320200JFP2B0	320200JFM2B0		320200JFI2B0		320200JF02W0	
0.02200			322200JFP2B0	322200JFM2B0		322200JFI2B0		322200JF02W0	

Notes

- (1) Reel diameter = 356 mm is available on request
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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 700\text{ V}$ / $U_{p-p} = 2000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX					REEL (500 mm) ⁽¹⁾⁽²⁾	
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.010	6 x 15.5 x 26	2.4	310200JIP2T0	310200JIM2T0	300	310200JII2B0	250	310200JIO2W0	600
0.011			311200JIP2T0	311200JIM2T0		311200JII2B0		311200JIO2W0	
0.012			312200JIP2T0	312200JIM2T0		312200JII2B0		312200JIO2W0	
0.013			313200JIP2T0	313200JIM2T0		313200JII2B0		313200JIO2W0	
0.015			315200JIP2T0	315200JIM2T0		315200JII2B0		315200JIO2W0	
0.016			316200JIP2T0	316200JIM2T0		316200JII2B0		316200JIO2W0	
0.018	7 x 16.5 x 26	2.9	318200JIP2T0	318200JIM2T0	200	318200JII2B0	250	318200JIO2W0	500
0.020			320200JIP2T0	320200JIM2T0		320200JII2B0		320200JIO2W0	
0.022			322200JIP2T0	322200JIM2T0		322200JII2B0		322200JIO2W0	
0.024			324200JIP2T0	324200JIM2T0		324200JII2B0		324200JIO2W0	
0.027	8.5 x 18 x 26	3.8	327200JIP2T0	327200JIM2T0	200	327200JII2B0	250	327200JIO2W0	450
0.030			330200JIP2T0	330200JIM2T0		330200JII2B0		330200JIO2W0	
0.033			333200JIP2T0	333200JIM2T0		333200JII2B0		333200JIO2W0	
0.036			336200JIP2T0	336200JIM2T0		336200JII2B0		336200JIO2W0	
0.039	10 x 19.5 x 26	6.8	339200JIP2T0	339200JIM2T0	200	339200JII2B0	200	339200JIO2W0	350
0.043			343200JIP2T0	343200JIM2T0		343200JII2B0		343200JIO2W0	
0.047			347200JIP2T0	347200JIM2T0		347200JII2B0		347200JIO2W0	
0.051	12 x 22 x 26	7.8	351200JIP2T0	351200JIM2T0	150	351200JII2B0	200	351200JIO2W0	300
0.056			356200JIP2T0	356200JIM2T0		356200JII2B0		356200JIO2W0	
0.062			362200JIP2T0	362200JIM2T0		362200JII2B0		362200JIO2W0	

Notes

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- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 700\text{ V}$ / $U_{p-p} = 2000\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.020	9 x 19 x 31.5	5.5	320200JKP2T0	320200JKM2T0	100	320200JKI2B0	150	2.0	120.0
0.022			322200JKP2T0	322200JKM2T0		322200JKI2B0		2.0	109.0
0.024			324200JKP2T0	324200JKM2T0		324200JKI2B0		2.0	96.0
0.027			327200JKP2T0	327200JKM2T0		327200JKI2B0		2.0	89.0
0.030			330200JKP2T0	330200JKM2T0		330200JKI2B0		2.0	80.0
0.033			333200JKP2T0	333200JKM2T0		333200JKI2B0		2.0	72.0
0.036			336200JKP2T0	336200JKM2T0		336200JKI2B0		2.0	66.0
0.039			339200JKP2T0	339200JKM2T0		339200JKI2B0		2.0	61.0
0.043			343200JKP2T0	343200JKM2T0		343200JKI2B0		2.0	56.0
0.047			11 x 21 x 31	7.4		347200JKP2T0		347200JKM2T0	100
0.051	351200JKP2T0	351200JKM2T0			351200JKI2B0	3.0	47.0		
0.056	356200JKP2T0	356200JKM2T0			356200JKI2B0	3.0	43.0		
0.062	362200JKP2T0	362200JKM2T0			362200JKI2B0	3.0	39.0		
0.068	368200JKP2T0	368200JKM2T0			368200JKI2B0	3.0	35.0		
0.075	13 x 23 x 31	9.2	375200JKP2T0	375200JKM2T0	100	375200JKI2B0	125	3.0	32.0
0.082			382200JKP2T0	382200JKM2T0		382200JKI2B0		3.0	30.0
0.091			391200JKP2T0	391200JKM2T0		391200JKI2B0		3.0	26.0
0.100	15 x 25 x 31.5	12.3	410200JKP2T0	410200JKM2T0	100	410200JKI2B0	125	3.0	24.0
0.110			411200JKP2T0	411200JKM2T0		411200JKI2B0		4.0	22.0
0.120			412200JKP2T0	412200JKM2T0		412200JKI2B0		4.0	20.0
0.130	18 x 28 x 31.5	16.1	413200JKP2T0	413200JKM2T0	100	413200JKI2B0	100	4.0	18.0
0.150			415200JKP2T0	415200JKM2T0		415200JKI2B0		5.0	16.0
0.160			416200JKP2T0	416200JKM2T0		416200JKI2B0		5.0	15.0
0.180	21 x 31 x 31	18.3	418200JKP2T0	418200JKM2T0	100	418200JKI2B0	75	5.0	13.0
0.200			420200JKP2T0	420200JKM2T0		420200JKI2B0		5.0	12.0
0.220			422200JKP2T0	422200JKM2T0		422200JKI2B0		6.0	11.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 600\text{ V}$ / $U_{p-p} = 1700\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ TWO PIN VERSION									
0.33	18.5 x 35.5 x 43	32.5	433200JPP2T0	433200JPM2T0	105	433200JPI2T0	105	9.0	10.0
0.36	21.5 x 38.5 x 43	40	436200JPP2T0	436200JPM2T0	91	436200JPI2T0	91	9.0	9.0
0.39			439200JPP2T0	439200JPM2T0		439200JPI2T0		10.0	8.0
0.43			443200JPP2T0	443200JPM2T0		443200JPI2T0		11.0	7.0
0.47	24 x 44 x 42	50	447200JPP2T0	447200JPM2T0	77	447200JPI2T0	77	12.0	7.0
0.51			451200JPP2T0	451200JPM2T0		451200JPI2T0		13.0	6.0
0.56			456200JPP2T0	456200JPM2T0		456200JPI2T0		14.0	6.0
0.62	30 x 45 x 42	70	462200JPP2T0	462200JPM2T0	63	462200JPI2T0	63	15.0	5.0
0.68			468200JPP2T0	468200JPM2T0		468200JPI2T0		17.0	5.0
0.75			475200JPP2T0	475200JPM2T0		475200JPI2T0		18.0	4.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ FOUR PIN VERSION									
0.33	18.5 x 35.5 x 43	32.5	433200JPP4T0	433200JPM4T0	105	433200JPI4T0	105	9.0	10.0
0.36	21.5 x 38.5 x 43	40	436200JPP4T0	436200JPM4T0	91	436200JPI4T0	91	9.0	9.0
0.39			439200JPP4T0	439200JPM4T0		439200JPI4T0		10.0	8.0
0.43			443200JPP4T0	443200JPM4T0		443200JPI4T0		11.0	7.0
0.47	24 x 44 x 42	50	447200JPP4T0	447200JPM4T0	77	447200JPI4T0	77	12.0	7.0
0.51			451200JPP4T0	451200JPM4T0		451200JPI4T0		13.0	6.0
0.56			456200JPP4T0	456200JPM4T0		456200JPI4T0		14.0	6.0
0.62	30 x 45 x 42	70	462200JPP4T0	462200JPM4T0	63	462200JPI4T0	63	15.0	5.0
0.68			468200JPP4T0	468200JPM4T0		468200JPI4T0		17.0	5.0
0.75			475200JPP4T0	475200JPM4T0		475200JPI4T0		18.0	4.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1\text{ mm} \pm 0.10\text{ mm}$ FOUR PIN VERSION									
0.62	30 x 45 x 42	70	462200JPP5T0	462200JPM5T0	63	462200JPI5T0	63	15.0	5.0
0.68			468200JPP5T0	468200JPM5T0		468200JPI5T0		17.0	5.0
0.75			475200JPP5T0	475200JPM5T0		475200JPI5T0		18.0	4.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 2000\text{ V}$; $U_{RAC} = 600\text{ V}$ / $U_{p-p} = 1700\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ TWO PIN VERSION									
0.82	25 x 45 x 57.5	100	482200JYP2T0	482200JYM2T0	55	482200JYI2T0	55	20.0	4.0
0.91			491200JYP2T0	491200JYM2T0		491200JYI2T0		22.0	4.0
1.00	30 x 45 x 57.5	125	510200JYP2T0	510200JYM2T0	45	510200JYI2T0	45	24.0	3.0
1.10			511200JYP2T0	511200JYM2T0		511200JYI2T0		25.0	3.0
1.20			512200JYP2T0	512200JYM2T0		512200JYI2T0		26.0	3.0
1.30	35 x 50 x 57.5	150	513200JYP2T0	513200JYM2T0	40	513200JYI2T0	40	28.0	2.0
1.50			515200JYP2T0	515200JYM2T0		515200JYI2T0		31.0	2.0
1.60			516200JYP2T0	516200JYM2T0		516200JYI2T0		32.0	2.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
0.82	25 x 45 x 57.5	100	482200JYP4T0	482200JYM4T0	55	482200JYI4T0	55	20.0	4.0
0.91			491200JYP4T0	491200JYM4T0		491200JYI4T0		22.0	4.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2\text{ mm} \pm 0.12\text{ mm}$ FOUR PIN VERSION									
1.00	30 x 45 x 57.5	125	510200JYP5T0	510200JYM5T0	45	510200JYI5T0	45	24.0	3.0
1.10			511200JYP5T0	511200JYM5T0		511200JYI5T0		25.0	3.0
1.20			512200JYP5T0	512200JYM5T0		512200JYI5T0		26.0	3.0
1.30	35 x 50 x 57.5	150	513200JYP5T0	513200JYM5T0	40	513200JYI5T0	40	28.0	2.0
1.50			515200JYP5T0	515200JYM5T0		515200JYI5T0		31.0	2.0
1.60			516200JYP5T0	516200JYM5T0		516200JYI5T0		32.0	2.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



SPECIFIC REFERENCE DATA - 2500 V _{DC}	
DESCRIPTION	VALUE
Rated voltage pulse slope (dU/dt) _R	
Pitch = 22.5 mm	2500 V/μs
Pitch = 27.5 mm	1700 V/μs
Pitch = 37.5 mm	400 V/μs
Pitch = 52.5 mm	150 V/μs
R between leads, for C ≤ 1 μF at 500 V; 1 min	> 100 000 MΩ
R between leads and case; 500 V; 1 min	> 30 000 MΩ
Ionization (AC) voltage (typical value) at 20 pC peak discharge	> 1000 V
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s	4000 V; 1 min
Withstanding (DC) voltage between leads and case	2840 V; 1 min
Maximum application temperature	110 °C

Note

⁽¹⁾ See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169

TANGENT OF LOSS ANGLE - 2500 V _{DC}		
DESCRIPTION	VALUE	
	10 kHz	100 kHz
0.00047 μF < C ≤ 0.39 μF	≤ 10 x 10 ⁻⁴	≤ 10 x 10 ⁻⁴
0.39 μF < C ≤ 0.68 μF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴



$U_{RDC} = 2500\text{ V}$; $U_{RAC} = 900\text{ V}$ / $U_{p-p} = 2500\text{ V}$; $C\text{-tol.} = \pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽³⁾	CATALOG NUMBER MKP385 AND PACKAGING						
			LOOSE IN BOX				REELPACK ⁽¹⁾⁽²⁾		
			SHORT LEADS			LONG LEADS		H = 18.5 mm P ₀ = 12.7 mm	
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		SPQ
PITCH = 22.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.0047	6 x 12 x 26	2.4	147250JIP2T0	147250JIM2T0	300	147250JII2B0	250	147250JIO2W0	600
0.0051			151250JIP2T0	151250JIM2T0		151250JII2B0		151250JIO2W0	
0.0056			156250JIP2T0	156250JIM2T0		156250JII2B0		156250JIO2W0	
0.0062			162250JIP2T0	162250JIM2T0		162250JII2B0		162250JIO2W0	
0.0068			168250JIP2T0	168250JIM2T0		168250JII2B0		168250JIO2W0	
0.0075			175250JIP2T0	175250JIM2T0		175250JII2B0		175250JIO2W0	
0.0082			182250JIP2T0	182250JIM2T0		182250JII2B0		182250JIO2W0	
0.0091			191250JIP2T0	191250JIM2T0		191250JII2B0		191250JIO2W0	
0.0100			210250JIP2T0	210250JIM2T0		210250JII2B0		210250JIO2W0	
0.0110			211250JIP2T0	211250JIM2T0		211250JII2B0		211250JIO2W0	
0.0120			212250JIP2T0	212250JIM2T0		212250JII2B0		212250JIO2W0	
0.0130			213250JIP2T0	213250JIM2T0		213250JII2B0		213250JIO2W0	
0.0150			215250JIP2T0	215250JIM2T0		215250JII2B0		215250JIO2W0	
0.0160			216250JIP2T0	216250JIM2T0		216250JII2B0		216250JIO2W0	
0.0180			218250JIP2T0	218250JIM2T0		218250JII2B0		218250JIO2W0	
0.0200			220250JIP2T0	220250JIM2T0		220250JII2B0		220250JIO2W0	
0.0220			222250JIP2T0	222250JIM2T0		222250JII2B0		222250JIO2W0	
0.0240			224250JIP2T0	224250JIM2T0		224250JII2B0		224250JIO2W0	
0.0270			227250JIP2T0	227250JIM2T0		227250JII2B0		227250JIO2W0	
0.0300			230250JIP2T0	230250JIM2T0		230250JII2B0		230250JIO2W0	
0.0330			233250JIP2T0	233250JIM2T0		233250JII2B0		233250JIO2W0	
0.0360			236250JIP2T0	236250JIM2T0		236250JII2B0		236250JIO2W0	
0.0390			239250JIP2T0	239250JIM2T0		239250JII2B0		239250JIO2W0	
0.0430			243250JIP2T0	243250JIM2T0		243250JII2B0		243250JIO2W0	
0.0470	247250JIP2T0	247250JIM2T0	247250JII2B0	247250JIO2W0					
0.0510	251250JIP2T0	251250JIM2T0	251250JII2B0	251250JIO2W0					
0.0560	256250JIP2T0	256250JIM2T0	256250JII2B0	256250JIO2W0					
0.00620	7 x 16.5 x 26	2.9	262250JIP2T0	262250JIM2T0	200	262250JII2B0	250	262250JIO2W0	500
0.00680			268250JIP2T0	268250JIM2T0		268250JII2B0		268250JIO2W0	
0.00750			275250JIP2T0	275250JIM2T0		275250JII2B0		275250JIO2W0	
0.00820	8.5 x 18 x 26	3.8	282250JIP2T0	282250JIM2T0	200	282250JII2B0	250	282250JIO2W0	450
0.00910			291250JIP2T0	291250JIM2T0		291250JII2B0		291250JIO2W0	
0.01000			310250JIP2T0	310250JIM2T0		310250JII2B0		310250JIO2W0	
0.01100			311250JIP2T0	311250JIM2T0		311250JII2B0		311250JIO2W0	
0.01200	10 x 19.5 x 26	6.8	312250JIP2T0	312250JIM2T0	200	312250JII2B0	200	312250JIO2W0	350
0.01300			313250JIP2T0	313250JIM2T0		313250JII2B0		313250JIO2W0	
0.01500			315250JIP2T0	315250JIM2T0		315250JII2B0		315250JIO2W0	
0.01600	12 x 22 x 26	7.8	316250JIP2T0	316250JIM2T0	150	316250JII2B0	200	316250JIO2W0	300
0.01800			318250JIP2T0	318250JIM2T0		318250JII2B0		318250JIO2W0	
0.02000			320250JIP2T0	320250JIM2T0		320250JII2B0		320250JIO2W0	
0.02200			322250JIP2T0	322250JIM2T0		322250JII2B0		322250JIO2W0	

Notes

- (1) Reel diameter = 356 mm is available on request
- (2) H = in-tape height; P₀ = sprocket hole distance; for detailed specifications refer to packaging information www.vishay.com/doc?28139
- (3) Weight for short lead product only
SPQ = Standard Packing Quantity



$U_{RDC} = 2500\text{ V}$; $U_{RAC} = 900\text{ V}$ / $U_{p-p} = 2500\text{ V}$; C-tol. = $\pm 5\%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5\text{ mm}$ $\pm 0.3\text{ mm}$	$l_t = 5\text{ mm}$ $\pm 1\text{ mm}$	SPQ	$l_t = 25\text{ mm}$ $\pm 2\text{ mm}$	SPQ		
PITCH = 27.5 mm \pm 0.4 mm; $d_t = 0.80\text{ mm} \pm 0.08\text{ mm}$									
0.015	9 x 19 x 31.5	5.5	315250JKP2T0	315250JKM2T0	100	315250JKI2B0	150	2.0	106.0
0.016			316250JKP2T0	316250JKM2T0		316250JKI2B0		2.0	100.0
0.018	11 x 21 x 31	7.4	318250JKP2T0	318250JKM2T0	100	318250JKI2B0	125	2.0	89.0
0.020			320250JKP2T0	320250JKM2T0		320250JKI2B0		2.0	80.0
0.022			322250JKP2T0	322250JKM2T0		322250JKI2B0		2.0	72.0
0.024			324250JKP2T0	324250JKM2T0		324250JKI2B0		3.0	66.0
0.027	13 x 23 x 31	9.2	327250JKP2T0	327250JKM2T0	100	327250JKI2B0	125	3.0	59.0
0.030			330250JKP2T0	330250JKM2T0		330250JKI2B0		3.0	53.0
0.033			333250JKP2T0	333250JKM2T0		333250JKI2B0		4.0	48.0
0.036			336250JKP2T0	336250JKM2T0		336250JKI2B0		4.0	44.0
0.039	15 x 25 x 31.5	12.3	339250JKP2T0	339250JKM2T0	100	339250JKI2B0	125	4.0	41.0
0.043			343250JKP2T0	343250JKM2T0		343250JKI2B0		4.0	37.0
0.047			347250JKP2T0	347250JKM2T0		347250JKI2B0		4.0	34.0
0.051	18 x 28 x 31.5	16.1	351250JKP2T0	351250JKM2T0	100	351250JKI2B0	100	5.0	31.0
0.056			356250JKP2T0	356250JKM2T0		356250JKI2B0		5.0	28.0
0.062			362250JKP2T0	362250JKM2T0		362250JKI2B0		6.0	26.0
0.068	21 x 31 x 31	18.3	368250JKP2T0	368250JKM2T0	50	368250JKI2B0	75	6.0	23.0
0.075			375250JKP2T0	375250JKM2T0		375250JKI2B0		6.0	21.0
0.082			382250JKP2T0	382250JKM2T0		382250JKI2B0		6.0	19.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 2500 \text{ V}$; $U_{RAC} = 800 \text{ V}$ / $U_{p-p} = 2250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm}$ $\pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm}$ $\pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm}$ $\pm 2 \text{ mm}$	SPQ		
PITCH = 37.5 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ TWO PIN VERSION									
0.091	16 x 28.5 x 41.5	21.5	391250JPP2T0	391250JPM2T0	125	391250JPI2T0	125	7.0	18.0
0.100			410250JPP2T0	410250JPM2T0		410250JPI2T0		8.0	16.0
0.110			411250JPP2T0	411250JPM2T0		411250JPI2T0		8.0	15.0
0.120	18 x 32.5 x 41.5	28.5	412250JPP2T0	412250JPM2T0	110	412250JPI2T0	110	8.0	13.0
0.130			413250JPP2T0	413250JPM2T0		413250JPI2T0		9.0	12.0
0.150			415250JPP2T0	415250JPM2T0		415250JPI2T0		9.0	11.0
0.160			416250JPP2T0	416250JPM2T0		416250JPI2T0		10.0	10.0
0.180	21.5 x 38.5 x 43	40	418250JPP2T0	418250JPM2T0	91	418250JPI2T0	91	11.0	9.0
0.200			420250JPP2T0	420250JPM2T0		420250JPI2T0		11.0	8.0
0.220			422250JPP2T0	422250JPM2T0		422250JPI2T0		12.0	7.0
0.240	24 x 44 x 42	50	424250JPP2T0	424250JPM2T0	77	424250JPI2T0	77	13.0	7.0
0.270			427250JPP2T0	427250JPM2T0		427250JPI2T0		14.0	6.0
0.300			430250JPP2T0	430250JPM2T0		430250JPI2T0		15.0	5.0
0.330	30 x 45 x 42	70	433250JPP2T0	433250JPM2T0	63	433250JPI2T0	63	17.0	5.0
0.360			436250JPP2T0	436250JPM2T0		436250JPI2T0		18.0	4.0
0.390			439250JPP2T0	439250JPM2T0		439250JPI2T0		18.0	4.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
0.120	18 x 32.5 x 41.5	28.5	412250JPP4T0	412250JPM4T0	110	412250JPI4T0	110	8.0	13.0
0.130			413250JPP4T0	413250JPM4T0		413250JPI4T0		9.0	12.0
0.150			415250JPP4T0	415250JPM4T0		415250JPI4T0		9.0	11.0
0.160			416250JPP4T0	416250JPM4T0		416250JPI4T0		10.0	10.0
0.180	21.5 x 38.5 x 43	40	418250JPP4T0	418250JPM4T0	91	418250JPI4T0	91	11.0	9.0
0.200			420250JPP4T0	420250JPM4T0		420250JPI4T0		11.0	8.0
0.220			422250JPP4T0	422250JPM4T0		422250JPI4T0		12.0	7.0
0.240	24 x 44 x 42	50	424250JPP4T0	424250JPM4T0	77	424250JPI4T0	77	13.0	7.0
0.270			427250JPP4T0	427250JPM4T0		427250JPI4T0		14.0	6.0
0.300			430250JPP4T0	430250JPM4T0		430250JPI4T0		15.0	5.0
0.330	30 x 45 x 42	70	433250JPP4T0	433250JPM4T0	63	433250JPI4T0	63	17.0	5.0
0.360			436250JPP4T0	436250JPM4T0		436250JPI4T0		18.0	4.0
0.390			439250JPP4T0	439250JPM4T0		439250JPI4T0		18.0	4.0
PITCH P1 = 37.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1 \text{ mm} \pm 0.10 \text{ mm}$ FOUR PIN VERSION									
0.330	30 x 45 x 42	70	433250JPP5T0	433250JPM5T0	63	433250JPI5T0	63	17.0	5.0
0.360			436250JPP5T0	436250JPM5T0		436250JPI5T0		18.0	4.0
0.390			439250JPP5T0	439250JPM5T0		439250JPI5T0		18.0	4.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz



$U_{RDC} = 2500 \text{ V}$; $U_{RAC} = 800 \text{ V}$ / $U_{p-p} = 2250 \text{ V}$; $C\text{-tol.} = \pm 5 \%$

C (μF)	DIMENSIONS W x H x L (mm)	MASS (g) ⁽¹⁾	CATALOG NUMBER MKP385 AND PACKAGING					ELECTRICAL SPECIFICATIONS	
			LOOSE IN BOX					I_{RMS} ⁽²⁾ (A)	ESR ⁽³⁾ (m Ω)
			SHORT LEADS			LONG LEADS			
			$l_t = 3.5 \text{ mm} \pm 0.3 \text{ mm}$	$l_t = 5 \text{ mm} \pm 1 \text{ mm}$	SPQ	$l_t = 25 \text{ mm} \pm 2 \text{ mm}$	SPQ		
PITCH = 52.5 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ TWO PIN VERSION									
0.43	25 x 45 x 57.5	100	443250JYP2T0	443250JYM2T0	55	443250JYI2T0	55	15.0	7.0
0.47			447250JYP2T0	447250JYM2T0		447250JYI2T0		16.0	7.0
0.51			451250JYP2T0	451250JYM2T0		451250JYI2T0		16.0	6.0
0.56	30 x 45 x 57.5	125	456250JYP2T0	456250JYM2T0	45	456250JYI2T0	45	18.0	6.0
0.62	35 x 50 x 57.5	150	462250JYP2T0	462250JYM2T0	40	462250JYI2T0	40	19.0	5.0
0.68			468250JYP2T0	468250JYM2T0		468250JYI2T0		21.0	5.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 10.2 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
0.43	25 x 45 x 57.5	100	443250JYP4T0	443250JYM4T0	55	443250JYI4T0	55	15.0	7.0
0.47			447250JYP4T0	447250JYM4T0		447250JYI4T0		16.0	7.0
0.51			451250JYP4T0	451250JYM4T0		451250JYI4T0		16.0	6.0
PITCH P1 = 52.5 mm \pm 0.5 mm; P2 = 20.3 mm \pm 0.5 mm; $d_t = 1.2 \text{ mm} \pm 0.12 \text{ mm}$ FOUR PIN VERSION									
0.56	30 x 45 x 57.5	125	456250JYP5T0	456250JYM5T0	45	456250JYI5T0	45	18.0	6.0
0.62	35 x 50 x 57.5	150	462250JYP5T0	462250JYM5T0	40	462250JYI5T0	40	19.0	5.0
0.68			468250JYP5T0	468250JYM5T0		468250JYI5T0		21.0	5.0

Notes

- (1) Weight for short lead product only
SPQ = Standard Packing Quantity
- (2) Maximum RMS current at 100 kHz, + 85 °C
- (3) The ESR (Equivalent Series Resistance) typical values at 100 kHz