

THV series

125°C 2000~3000時間 低ESR品
Load Life : 125°C 2000~3000 hours, Low ESR

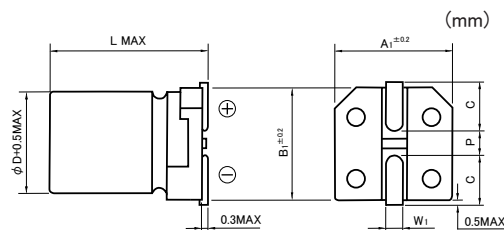
AEC-Q200



◆規格表/SPECIFICATIONS

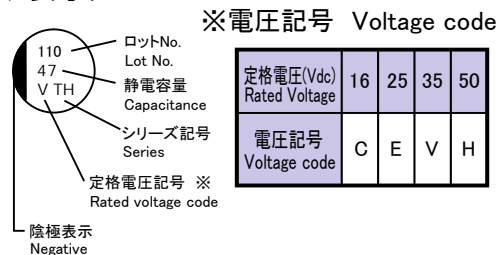
項目 Item	特性 Characteristics					
カテゴリ温度範囲 Category Temperature Range	-40~+125°C					
定格電圧範囲 Rated Voltage Range	16~50Vdc					
静電容量許容差 Capacitance Tolerance	±20% (20°C, 120Hz)					
漏れ電流 Leakage Current (MAX)	I=0.01CV 又は 3μA のいずれか大なる値以下 (定格電圧印加2分後) I=0.01CV or 3μA whichever is greater. (After 2 minutes) I=漏れ電流(μA) C=静電容量(μF) V=定格電圧(Vdc) Leakage Current Capacitance Rated Voltage					
損失角の正接 (tan δ) Dissipation Factor(MAX)	定格電圧 (Vdc) Rated Voltage	16	25	35	50	(20°C, 120Hz)
	tan δ	0.23	0.18	0.16	0.14	
耐久性 Endurance	125°C中で表の時間定格電圧(リプル重量)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for specified time at 125°C, the capacitors shall meet the following requirements.					
	静電容量変化率 Capacitance Change	初期値の±30%以内 Within ±30% of the initial value.				
	損失角の正接 Dissipation Factor	規格値の300%以下 Not more than 300% of the specified value.				
	漏れ電流 Leakage Current	規格値以下 Not more than the specified value.				
	ケースサイズ Case Size	時間 (hrs) LifeTime				
	φD=6.3	2000				
	φD≥8	3000				
低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio (MAX)	定格電圧 (Vdc) Rated Voltage	16	25	35	50	(120Hz)
	Z(-40°C) / Z(20°C)	4	4	3	3	

◆寸法図/DIMENSIONS



φD	L	A1	B1	C	W1	P
6.3	6.1	6.6	6.6	2.7	0.5~0.8	1.8
6.3	8	6.6	6.6	2.7	0.5~0.8	1.8
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5

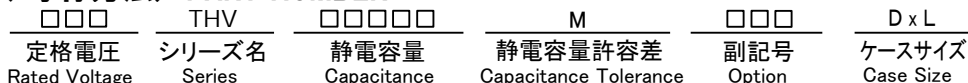
◆表示/MARKING



◆リップル電流補正係数/
MULTIPLIER FOR RIPPLE CURRENT

周波数 (Hz) Frequency	120	1k	10k	100k≤
10~33 μF	0.45	0.75	0.90	1.00
47~100 μF	0.50	0.80	0.95	1.00
220~330 μF	0.60	0.85	0.95	1.00

◆呼称方法/PART NUMBER



◆標準品一覧表/STANDARD SIZE

Size φD x L(mm), Rated Ripple Current (mA r.m.s./125°C, 100kHz), ESR(Ω MAX/100kHz)

Vdc	Cap (μF)	Size (φD x L)	Ripple	ESR	
				20°C	-40°C
16	33	6.3x6.1	70	1	15
	47	6.3x8	200	0.7	10
		6.3x8	200	0.7	10
	100	8x10.5	300	0.3	4.5
		8x10.5	300	0.3	4.5
	220	10x10.5	500	0.2	3
25	330	10x10.5	500	0.2	3
	33	6.3x6.1	70	1	15
	47	6.3x8	200	0.7	10

Vdc	Cap (μF)	Size (φD x L)	Ripple	ESR		
				20°C	-40°C	
25	220	8x10.5	300	0.3	4.5	
		10x10.5	500	0.2	3	
		10x10.5	500	0.2	3	
	22	6.3x8	200	0.7	10	
		33	6.3x6.1	70	1	15
			6.3x8	200	0.7	10
35	47	6.3x8	200	0.7	10	
		8x10.5	300	0.3	4.5	
		8x10.5	300	0.3	4.5	
	100	8x10.5	300	0.3	4.5	
		10x10.5	500	0.2	3	
220	10x10.5	500	0.2	3		

Vdc	Cap (μF)	Size (φD x L)	Ripple	ESR	
				20°C	-40°C
50	10	6.3x6.1	70	1	15
	22	6.3x8	150	0.9	10
		6.3x8	150	0.9	10
	33	8x10.5	250	0.36	4.5
		8x10.5	250	0.36	4.5
	47	10x10.5	350	0.25	3
100	10x10.5	350	0.25	3	