

## A type M series

10

	Part No.	W. V. V. DC	Cap $\mu$ F	tan $\delta$ max.	L. C. $\mu$ A max.	Ripple current mA rms max. *2	Dim. [mm]			
							$\phi$ D	L	F	$\phi$ d
	ECA0JM101	6.3	100	0.28	6.3	130	5	11	2.0	0.5
	ECA0JM221	6.3	220	0.28	13.8	240	5	11	2.0	0.5
	ECA0JM331	6.3	330	0.28	20.7	300	6.3	11.2	2.5	0.5
	ECA0JM471	6.3	470	0.28	29.6	380	6.3	11.2	2.5	0.5
	ECA0JM102	6.3	1000	0.28	63.0	580	8	11.5	3.5	0.6
	ECA0JM222	6.3	2200	0.30	138.6	890	10	16	5.0	0.6
	ECA0JM332	6.3	3300	0.32	207.9	1020	10	20	5.0	0.6
	ECA0JM472	6.3	4700	0.34	296.1	1170	12.5	20	5.0	0.6
	ECA0JM682	6.3	6800	0.38	428.4	1270	12.5	25	5.0	0.6
	ECA0JM103	6.3	10000	0.46	630.0	1450	16	25	7.5	0.8
	ECA0JM153	6.3	15000	0.56	945.0	1700	16	31.5	7.5	0.8
	ECA0JM223	6.3	22000	0.70	1386.0	1900	18	35.5	7.5	0.8
	ECA1AM101	10	100	0.24	10.0	150	5	11	2.0	0.5
	ECA1AM221	10	220	0.24	22.0	250	6.3	11.2	2.5	0.5
	ECA1AM331	10	330	0.24	33.0	330	6.3	11.2	2.5	0.5
	ECA1AM471	10	470	0.24	47.0	400	8	11.5	3.5	0.6
	ECA1AM102	10	1000	0.24	100.0	630	10	12.5	5.0	0.6
	ECA1AM222	10	2200	0.26	220.0	920	10	20	5.0	0.6
	ECA1AM332	10	3300	0.28	330.0	1090	12.5	20	5.0	0.6
	ECA1AM472	10	4700	0.30	470.0	1200	12.5	25	5.0	0.6
	ECA1AM682	10	6800	0.34	680.0	1400	16	25	7.5	0.8
	ECA1AM103	10	10000	0.42	1000.0	1600	16	31.5	7.5	0.8
	ECA1AM153	10	15000	0.52	1500.0	1850	18	35.5	7.5	0.8
	ECA1CM100	16	10	0.20	3.0	30	5	11	2.0	0.5
	ECA1CM220	16	22	0.20	3.5	75	5	11	2.0	0.5
	ECA1CM330	16	33	0.20	5.2	110	5	11	2.0	0.5
	ECA1CM470	16	47	0.20	7.5	130	5	11	2.0	0.5
	ECA1CM101	16	100	0.20	16.0	180	5	11	2.0	0.5
	ECA1CM221	16	220	0.20	35.2	280	6.3	11.2	2.5	0.5
	ECA1CM331	16	330	0.20	52.8	350	8	11.5	3.5	0.6
	ECA1CM471	16	470	0.20	75.2	440	8	11.5	3.5	0.6
	ECA1CM102	16	1000	0.20	160.0	680	10	16	5.0	0.6
	ECA1CM222	16	2200	0.22	352.0	1000	12.5	20	5.0	0.6
	ECA1CM332	16	3300	0.24	528.0	1200	12.5	25	5.0	0.6
	ECA1CM472	16	4700	0.26	752.0	1360	16	25	7.5	0.8
	ECA1CM682	16	6800	0.30	1088.0	1600	16	31.5	7.5	0.8
	ECA1CM103	16	10000	0.38	1600.0	1800	18	35.5	7.5	0.8

Remarks \*2 120Hz 85°C

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Capacitor Division

## Electrolytic Capacitor Product Specification

CE-AM-BE-0-12

A type M series

1 1

	Part No.	W. V. V. DC	Cap $\mu$ F	tan $\delta$ max.	L. C. $\mu$ A max.	Ripple current mA rms max. #2	Dim. [mm]			
							$\phi$ D	L	F	$\phi$ d
	ECA1EM100	25	10	0.16	3.0	50	5	11	2.0	0.5
	ECA1EM220	25	22	0.16	5.5	90	5	11	2.0	0.5
	ECA1EM330	25	33	0.16	8.2	110	5	11	2.0	0.5
	ECA1EM470	25	47	0.16	11.7	130	5	11	2.0	0.5
	ECA1EM101	25	100	0.16	25.0	180	6.3	11.2	2.5	0.5
	ECA1EM221	25	220	0.16	55.0	310	8	11.5	3.5	0.6
	ECA1EM331	25	330	0.16	82.5	390	8	11.5	3.5	0.6
	ECA1EM471	25	470	0.16	117.5	480	10	12.5	5.0	0.6
	ECA1EM102	25	1000	0.16	250.0	850	10	20	5.0	0.6
	ECA1EM222	25	2200	0.18	550.0	1200	12.5	25	5.0	0.6
	ECA1EM332	25	3300	0.20	825.0	1300	16	25	7.5	0.8
	ECA1EM472	25	4700	0.22	1175.0	1500	16	31.5	7.5	0.8
	ECA1EM682	25	6800	0.26	1700.0	1750	18	35.5	7.5	0.8
	ECA1VM100	35	10	0.14	3.5	60	5	11	2.0	0.5
	ECA1VM220	35	22	0.14	7.7	95	5	11	2.0	0.5
	ECA1VM330	35	33	0.14	11.5	110	5	11	2.0	0.5
	ECA1VM470	35	47	0.14	16.4	130	5	11	2.0	0.5
	ECA1VM101	35	100	0.14	35.0	210	6.3	11.2	2.5	0.5
	ECA1VM221	35	220	0.14	77.0	350	8	11.5	3.5	0.6
	ECA1VM331	35	330	0.14	115.5	440	10	12.5	5.0	0.6
	ECA1VM471	35	470	0.14	164.5	550	10	16	5.0	0.6
	ECA1VM102	35	1000	0.14	350.0	900	12.5	20	5.0	0.6
	ECA1VM222	35	2200	0.16	770.0	1250	16	25	7.5	0.8
	ECA1VM332	35	3300	0.18	1155.0	1400	16	31.5	7.5	0.8
	ECA1VM472	35	4700	0.20	1645.0	1600	18	35.5	7.5	0.8
	ECA1HM0R1	50	0.1	0.12	3.0	1.3	5	11	2.0	0.5
	ECA1HMR22	50	0.22	0.12	3.0	2.9	5	11	2.0	0.5
	ECA1HMR33	50	0.33	0.12	3.0	4.4	5	11	2.0	0.5
	ECA1HMR47	50	0.47	0.12	3.0	5	5	11	2.0	0.5
	ECA1HM010	50	1.0	0.12	3.0	10	5	11	2.0	0.5
	ECA1HM2R2	50	2.2	0.12	3.0	20	5	11	2.0	0.5
	ECA1HM3R3	50	3.3	0.12	3.0	35	5	11	2.0	0.5
	ECA1HM4R7	50	4.7	0.12	3.0	45	5	11	2.0	0.5
	ECA1HM100	50	10	0.12	5.0	65	5	11	2.0	0.5
	ECA1HM220	50	22	0.12	11.0	100	5	11	2.0	0.5
	ECA1HM330	50	33	0.12	16.5	110	5	11	2.0	0.5
	ECA1HM470	50	47	0.12	23.5	130	6.3	11.2	2.5	0.5

Remarks #2 120Hz 85°C

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