

PANASONIC Radial Aluminum Electrolytics

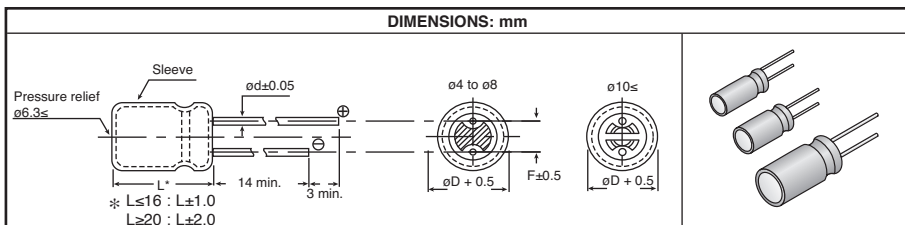


SERIES: M TYPE: A

This product is RoHS compliant.

Features:

- Endurance: 85°C 2000h
- Smaller than series SU
- RoHS directive compliant



	5	6.3	8	10	12.5	16	18
Body Dia. øD	5	6.3	8	10	12.5	16	18
Lead Dia. ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8
Lead space F	2.0	2.5	3.5	5.0	5.0	7.5	7.5

Category	-40°C to +85°C	-25°C to +85°C
Rated W.V. Range	6.3Vdc to 100Vdc	160Vdc to 450Vdc
Nominal Cap. Range	0.1µF to 22000µF	160Vdc to 450Vdc
Capacitance Tolerance	±20% (120Hz/+20°C)	
DC Leakage Current	1±0.01CV or 3 (µA) After 2 minutes (whichever is greater)	1±0.06CV +10 (µA) After 2 minutes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage	Dimensions (DxL)(mm)	Ripple Current (mA r.m.s.)	D.F. (120Hz@20°C)	Lead Diameter (mm)	Lead Space (mm)	Price Each			
									1	25	100	500
667-ECA-1JM471	ECA-1JM471	470	63	12.5x20	750	0.11	0.6	5.0	.80	.506	.436	.337
667-ECA-1JM102	ECA-1JM102	1,000	63	16x25	1100	0.11	0.8	7.5	1.13	.772	.668	.505
667-ECA-1JM222	ECA-1JM222	2,200	63	18x35.5	1400	0.13	0.8	7.5	2.13	1.50	1.31	1.00
667-ECA-2AMR47	ECA-2AMR47	0.47	100	5x11	10	0.10	0.5	2.0	.23	.095	.08	.054
667-ECA-2AM010	ECA-2AM010	1.0	100	5x11	20	0.10	0.5	2.0	.23	.095	.08	.054
667-ECA-2AM2R2	ECA-2AM2R2	2.2	100	5x11	30	0.10	0.5	2.0	.23	.095	.08	.054
667-ECA-2AM3R3	ECA-2AM3R3	3.3	100	5x11	40	0.10	0.5	2.0	.23	.095	.08	.054
667-ECA-2AM4R7	ECA-2AM4R7	4.7	100	5x11	50	0.10	0.5	2.0	.23	.095	.08	.054
667-ECA-2AM100	ECA-2AM100	10	100	5x11	70	0.10	0.5	2.0	.24	.098	.083	.056
667-ECA-2AM220	ECA-2AM220	22	100	6.3x11.2	115	0.10	0.5	2.5	.27	.122	.103	.073
667-ECA-2AM330	ECA-2AM330	33	100	8x11.5	145	0.10	0.6	3.5	.39	.191	.164	.123
667-ECA-2AM470	ECA-2AM470	47	100	8x11.5	180	0.10	0.6	3.5	.42	.202	.173	.13
667-ECA-2AM101	ECA-2AM101	100	100	10x16	350	0.10	0.6	5.0	.56	.30	.261	.194
667-ECA-2AM221	ECA-2AM221	220	100	12.5x20	550	0.10	0.6	5.0	.84	.527	.454	.351
667-ECA-2AM331	ECA-2AM331	330	100	12.5x25	700	0.10	0.6	5.0	.95	.65	.562	.425
667-ECA-2AM471	ECA-2AM471	470	100	16x25	900	0.10	0.8	7.5	1.43	.975	.844	.637
667-ECA-2AM102	ECA-2AM102	1,000	100	18x35.5	1300	0.10	0.8	7.5	2.45	1.73	1.51	1.15
667-ECA-2CM010	ECA-2CM010	1	160	6.3x11.2	36	0.16	0.5	2.5	.33	.15	.127	.09
667-ECA-2CM2R2	ECA-2CM2R2	2.2	160	6.3x11.2	53	0.16	0.5	2.5	.33	.15	.127	.09
667-ECA-2CM3R3	ECA-2CM3R3	3.3	160	6.3x11.2	66	0.16	0.5	2.5	.33	.15	.127	.09
667-ECA-2CM4R7	ECA-2CM4R7	4.7	160	6.3x11.2	78	0.16	0.5	2.5	.33	.15	.127	.09
667-ECA-2CM100	ECA-2CM100	10	160	10x12.5	105	0.16	0.6	5.0	.41	.218	.189	.14
667-ECA-2CM220	ECA-2CM220	22	160	10x16	175	0.16	0.6	5.0	.50	.266	.232	.172
667-ECA-2CM330	ECA-2CM330	33	160	10x20	235	0.16	0.6	5.0	.59	.315	.274	.203
667-ECA-2CM470	ECA-2CM470	47	160	12.5x20	320	0.16	0.6	5.0	.82	.481	.412	.326
667-ECA-2CM101	ECA-2CM101	100	160	12.5x25	515	0.16	0.6	5.0	.94	.591	.508	.394
667-ECA-2CM221	ECA-2CM221	220	160	16x31.5	830	0.16	0.8	7.5	1.49	1.02	.879	.664
667-ECA-2CM331	ECA-2CM331	330	160	18x31.5	1090	0.16	0.8	7.5	2.55	1.80	1.57	1.20
667-ECA-2CM471	ECA-2CM471	470	160	18x40	1440	0.16	0.8	7.5	3.35	2.36	2.06	1.57
667-ECA-2DM010	ECA-2DM010	1.0	200	6.3x11.2	34	0.18	0.5	2.5	.33	.15	.127	.09
667-ECA-2DM2R2	ECA-2DM2R2	2.2	200	6.3x11.2	50	0.18	0.5	2.5	.33	.15	.127	.09
667-ECA-2DM3R3	ECA-2DM3R3	3.3	200	6.3x11.2	62	0.18	0.5	2.5	.33	.15	.127	.09
667-ECA-2DM4R7	ECA-2DM4R7	4.7	200	8x11.5	86	0.18	0.6	3.5	.57	.328	.273	.174
667-ECA-2DM100	ECA-2DM100	10	200	10x12.5	100	0.18	0.6	5.0	.41	.218	.189	.14
667-ECA-2DM220	ECA-2DM220	22	200	10x20	180	0.18	0.6	5.0	.59	.315	.274	.203
667-ECA-2DM330	ECA-2DM330	33	200	10x20	220	0.18	0.6	5.0	.92	.553	.484	.224
667-ECA-2DM470	ECA-2DM470	47	200	12.5x20	300	0.18	0.6	5.0	.82	.481	.412	.326
667-ECA-2DM101	ECA-2DM101	100	200	16x25	475	0.18	0.8	7.5	1.13	.772	.668	.505
667-ECA-2DM221	ECA-2DM221	220	200	18x31.5	835	0.18	0.8	7.5	3.34	2.57	1.57	1.19
667-ECA-2DM331	ECA-2DM331	330	200	18x40	1140	0.18	0.8	7.5	3.67	3.07	2.95	1.47
667-ECA-2EM010	ECA-2EM010	1	250	6.3x11.2	34	0.18	0.5	2.5	.33	.15	.127	.09
667-ECA-2EM2R2	ECA-2EM2R2	2.2	250	6.3x11.2	50	0.18	0.5	2.5	.33	.15	.127	.09
667-ECA-2EM3R3	ECA-2EM3R3	3.3	250	8x11.5	72	0.18	0.6	3.5	.39	.191	.164	.123
667-ECA-2EM4R7	ECA-2EM4R7	4.7	250	8x11.5	86	0.18	0.6	3.5	.39	.191	.164	.123
667-ECA-2EM100	ECA-2EM100	10	250	10x16	110	0.18	0.6	5.0	.50	.266	.232	.172
667-ECA-2EM220	ECA-2EM220	22	250	10x20	180	0.18	0.6	5.0	.65	.349	.304	.225
667-ECA-2EM330	ECA-2EM330	33	250	12.5x20	250	0.18	0.6	5.0	.82	.481	.412	.326
667-ECA-2EM470	ECA-2EM470	47	250	12.5x25	330	0.18	0.6	5.0	.94	.591	.508	.394
667-ECA-2EM101	ECA-2EM101	100	250	16x31.5	530	0.18	0.8	7.5	1.49	1.02	.879	.664
667-ECA-2EM221	ECA-2EM221	220	250	18x40	930	0.18	0.8	7.5	3.35	2.36	2.06	1.57
667-ECA-2VM010	ECA-2VM010	1.0	350	6.3x11.2	32	0.20	0.5	2.5	.44	.25	.209	.133
667-ECA-2VM2R2	ECA-2VM2R2	2.2	350	8x11.5	55	0.20	0.6	3.5	.63	.361	.301	.192
667-ECA-2VM3R3	ECA-2VM3R3	3.3	350	8x11.5	60	0.20	0.6	3.5	.63	.361	.301	.192
667-ECA-2VM4R7	ECA-2VM4R7	4.7	350	10x12.5	65	0.20	0.6	5.0	.47	.252	.219	.162
667-ECA-2VM100	ECA-2VM100	10	350	10x20	115	0.20	0.6	5.0	.88	.563	.507	.407
667-ECA-2VM220	ECA-2VM220	22	350	12.5x20	195	0.20	0.6	5.0	1.11	.756	.686	.351
667-ECA-2VM330	ECA-2VM330	33	350	16x25	300	0.20	0.8	7.5	1.24	.989	.877	.734
667-ECA-2VM470	ECA-2VM470	47	350	16x25	325	0.20	0.8	7.5	2.18	1.58	1.44	1.17
667-ECA-2VM101	ECA-2VM101	100	350	18x31.5	535	0.20	0.8	7.5	2.66	1.88	1.64	1.25
667-ECA-2GM010	ECA-2GM010	1.0	400	6.3x11.2	32	0.20	0.5	2.5	.44	.25	.209	.133
667-ECA-2GM2R2	ECA-2GM2R2	2.2	400	8x11.5	50	0.20	0.6	3.5	.63	.361	.301	.192
667-ECA-2GM3R3	ECA-2GM3R3	3.3	400	10x12.5	54	0.20	0.6	5.0	.64	.382	.334	.238
667-ECA-2GM4R7	ECA-2GM4R7	4.7	400	10x16	72	0.20	0.6	5.0	.77	.461	.403	.187
667-ECA-2GM100	ECA-2GM100	10	400	10x20	115	0.20	0.6	5.0	.88	.563	.507	.407
667-ECA-2GM220	ECA-2GM220	22	400	12.5x25	215	0.20	0.6	5.0	1.34	.907	.823	.421
667-ECA-2GM330	ECA-2GM330	33	400	16x25	275	0.20	0.8	7.5	1.24	.989	.877	.734
667-ECA-2GM470	ECA-2GM470	47	400	16x31.5	350	0.20	0.8	7.5	2.18	1.58	1.44	1.17
667-ECA-2GM101	ECA-2GM101	100	400	18x40	600	0.20	0.8	7.5	3.67	3.07	2.95	1.47
667-ECA-2WM010	ECA-2WM010	1	450	8x11.5	37	0.20	0.6	3.5	.43	.208	.178	.133
667-ECA-2WM2R2	ECA-2WM2R2	2.2	450	10x12.5	44	0.20	0.6	5.0	.47	.252	.219	.162
667-ECA-2WM3R3	ECA-2WM3R3	3.3	450	10x16	60	0.20	0.6	5.0	.54	.29	.253	.187
667-ECA-2WM4R7	ECA-2WM4R7	4.7	450	10x20	79	0.20	0.6	5.0	.68	.363	.316	.234
667-ECA-2WM100	ECA-2WM100	10	450	12.5x20	130	0.20	0.6	5.0	.84	.527	.454	.351
667-ECA-2WM220	ECA-2WM220	22	450	16x25	210	0.20	0.8	7.5	1.31	.894	.774	.584
667-ECA-2WM330	ECA-2WM330	33	450	16x31.5	285	0.20	0.8	7.5	1.66	1.14	.985	.744

Panasonic Aluminum Caps, Leaded