

FEATURES

- Directly mountable on printed circuit board without holders.
- Smaller in sizes than ordinary capacitors.
- Terminal spacing fixed at 10mm for PC board plug in.
- Aluminum case designed with explosion-proof vent.



SPECIFICATIONS

[illegible]

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Coefficient \ Freq. (Hz)	60	120	1k	10~50k
Rated Voltage				
10~100V	0.90	1.00	1.15	1.25
160~250V	0.80	1.00	1.15	1.47
315~500V	0.80	1.00	1.15	1.47

PART NUMBER SYSTEM (EXAMPLE : 250V 330μF)

1	2 3	4 5 6	7	8 9	10	11 12	13 14
E	LP	337	M	2E	N	30	SW

Type (Terminal Code)

Case Length (30mm)

Diameter (22mm)

Voltage (250V)

Tolerance (±20%)

Capacitance (330μF)

Series

E-CAP

STANDARD RATINGS

Voltage (Code)		10V (1A)		16V (1C)		25V (1E)		35V (1V)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
2700	278							20 x 25	1.76
3300	338							20 x 30	2.14
3900	398							20 x 30	2.28
								22 x 25	2.22
4700	478					20 x 25	2.18	20 x 35	2.46
								22 x 30	2.46
								25 x 25	2.43
5600	568					20 x 30	2.33	22 x 35	2.79
						22 x 25	2.31	25 x 30	2.75
6800	688			20 x 25	2.33	20 x 35	2.56	22 x 40	2.97
						22 x 30	2.56	25 x 30	2.89
								30 x 25	3.09
8200	828			20 x 30	2.56	20 x 40	2.91	22 x 45	3.47
				22 x 25	2.56	22 x 30	2.86	25 x 35	3.33
						25 x 25	2.78	30 x 30	3.29
10000	109	20 x 25	2.22	20 x 35	2.85	22 x 35	3.31	22 x 50	3.75
				22 x 30	2.89	25 x 30	3.16	25 x 40	3.65
								30 x 30	3.61
12000	129	20 x 30	2.44	20 x 40	3.20	22 x 40	3.77	25 x 45	4.15
		22 x 25	2.41	22 x 30	3.13	25 x 35	3.63	30 x 35	4.14
				25 x 25	3.01	30 x 25	3.80	35 x 30	4.27
15000	159	20 x 35	2.90	22 x 35	3.69	22 x 50	4.21	30 x 40	4.80
		22 x 30	2.88	25 x 30	3.64	25 x 40	4.10		
		25 x 25	2.88	30 x 25	3.73	30 x 30	4.00	35 x 35	4.95
18000	189	20 x 40	3.31	22 x 40	3.98	25 x 45	4.68	30 x 45	5.30
		22 x 35	3.22	25 x 35	3.98	30 x 35	4.66		
		25 x 30	3.08	30 x 30	3.88	35 x 30	4.68	35 x 40	5.71
22000	229	22 x 40	3.79	22 x 50	4.52	30 x 40	5.33		
		25 x 30	3.66	25 x 40	4.44			35 x 45	6.38
		30 x 25	3.53	30 x 30	4.38	35 x 35	5.26		
27000	279	22 x 45	4.04	25 x 45	4.98	30 x 45	6.02		
		25 x 35	4.04	30 x 35	4.95			35 x 50	6.90
		30 x 30	3.99	35 x 30	4.82	35 x 40	6.02		
33000	339	22 x 50	4.58	25 x 50	5.49				
		25 x 40	4.56	30 x 40	5.60	35 x 45	6.75		
		30 x 30	4.58	35 x 30	5.46				
39000	399	25 x 45	5.29	30 x 45	6.21				
		30 x 35	5.21			35 x 50	7.56		
		35 x 30	5.50	35 x 35	6.12				
47000	479	25 x 50	5.78	30 x 50	6.93				
		30 x 40	5.78						
		35 x 35	5.55	35 x 40	6.89				
56000	569	30 x 45	6.59	35 x 45	7.69				
		35 x 35	6.40						
68000	689	30 x 50	7.50						
		35 x 40	7.48						
82000	829	35 x 50	8.50						

Maximum Allowable Ripple Current (Arms) at 85°C 120Hz

Case Size ΦD x L (mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.

STANDARD RATINGS

Voltage (Code)		50V (1H)		63V (1J)		80V (1K)		100V (2A)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
680	687							20 x 25	1.66
820	827							20 x 30	1.85
								22 x 25	1.86
1000	108					20 x 25	1.56	20 x 35	2.02
								22 x 30	2.02
1200	128					20 x 30	1.80	20 x 40	2.12
						22 x 25	1.77	22 x 30	2.12
								25 x 25	2.11
1500	158			20 x 25	1.69	20 x 35	2.10	22 x 35	2.45
						22 x 30	2.01	25 x 30	2.47
1800	188	20 x 25	1.70	20 x 30	2.04	20 x 40	2.30	22 x 40	2.77
				22 x 25	1.90	22 x 30	2.11	25 x 35	2.81
						25 x 25	2.26	30 x 25	2.65
2200	228	20 x 30	2.07	20 x 35	2.40	22 x 40	2.53	22 x 45	3.15
				22 x 30	2.35	25 x 30	2.53	25 x 40	3.21
		22 x 25	1.93	25 x 25	2.30	30 x 25	2.56	30 x 30	3.17
2700	278	20 x 35	2.21	20 x 40	2.52	22 x 45	2.93	25 x 45	3.66
				22 x 35	2.50	25 x 35	2.93	30 x 35	3.65
		22 x 30	2.21	25 x 30	2.52	30 x 30	2.91	35 x 30	3.77
3300	338	20 x 40	2.41	22 x 40	2.72	22 x 50	3.23	25 x 50	4.15
		22 x 30	2.41	25 x 30	2.74	25 x 40	3.29	30 x 40	4.18
		25 x 25	2.38	30 x 25	2.78	30 x 30	3.25	35 x 35	4.07
3900	398	22 x 35	2.72	22 x 45	3.09	25 x 45	3.62	30 x 45	4.67
		25 x 30	2.68	25 x 35	3.13				
				30 x 30	3.09	30 x 35	3.70	35 x 35	4.61
4700	478	22 x 40	3.02	22 x 50	3.69	25 x 50	4.28	30 x 50	5.26
		25 x 30	3.07	25 x 40	3.59	30 x 40	4.23		
		30 x 25	3.01	30 x 30	3.54	35 x 30	4.12	35 x 40	5.23
5600	568	22 x 45	3.43	25 x 45	4.01	30 x 45	4.70		
		25 x 35	3.47	30 x 35	4.00			35 x 45	5.88
		30 x 30	3.43	35 x 30	3.75	35 x 35	4.64		
6800	688	22 x 50	3.94	25 x 50	4.52	30 x 50	5.27		
		25 x 40	3.87	30 x 40	4.55			35 x 50	6.01
		30 x 35	3.93	35 x 30	4.44	35 x 40	5.24		
		25 x 45	4.44	30 x 45	5.12				
8200	828	30 x 35	4.47			35 x 45	5.89		
		35 x 30	4.41	35 x 35	5.05				
10000	109	30 x 40	5.08	30 x 50	5.78	35 x 50	6.63		
		35 x 35	4.92	35 x 40	5.75				
12000	129	30 x 50	5.72	35 x 45	6.47				
		35 x 40	5.69						
15000	159	35 x 45	6.56						
18000	189	35 x 50	7.14						

Maximum Allowable Ripple Current (Arms) at 85°C 120Hz

Case Size ΦD x L (mm)

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STANDARD RATINGS

Voltage (Code)		160V (2C)		180V (2P)		200V (2D)		220V (2N)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
180	187							20 x 25	1.11
220	227					20 x 25	1.19	20 x 25	1.23
								22 x 25	1.30
270	277	20 x 25	1.28	20 x 25	1.29	20 x 30	1.39	20 x 30	1.46
						22 x 25	1.37	22 x 25	1.42
330	337	20 x 25	1.55	20 x 30	1.77	20 x 30	1.56	20 x 35	1.64
				22 x 25	1.49	22 x 25	1.51	22 x 30	1.59
								25 x 25	1.59
390	397	20 x 30	1.63	20 x 30	1.84	20 x 35	1.74	20 x 40	1.79
		22 x 25	1.63	22 x 25	1.84	22 x 30	1.73	22 x 35	1.80
						25 x 25	1.71	25 x 25	1.75
470	477	20 x 35	1.90	20 x 35	1.91	20 x 40	2.03	22 x 35	2.06
		22 x 30	1.86	22 x 30	1.91	22 x 30	1.97	25 x 30	2.08
		25 x 25	1.86	25 x 25	2.08	25 x 30	1.95	30 x 25	2.16
560	567	20 x 40	2.14	20 x 40	2.15	22 x 40	2.18	22 x 40	2.22
		22 x 30	2.15	22 x 35	2.25	25 x 30	2.15	25 x 35	2.38
		25 x 30	2.15	25 x 25	2.25	30 x 25	2.15	30 x 25	2.18
680	687	22 x 40	2.35	22 x 35	2.48	22 x 45	2.48	22 x 45	2.62
		25 x 30	2.33	25 x 30	2.50	25 x 35	2.48	25 x 40	2.56
		30 x 25	2.33	30 x 25	2.46	30 x 30	2.48	30 x 30	2.52
820	827	22 x 45	2.68	22 x 40	2.86	22 x 50	2.81	25 x 45	2.91
		25 x 35	2.65	25 x 35	2.75	25 x 40	2.79	30 x 35	2.84
		30 x 30	2.64	30 x 25	2.69	30 x 30	2.75	35 x 30	2.79
1000	108	22 x 50	3.02	25 x 40	3.06	25 x 45	3.28	25 x 50	3.53
		25 x 40	3.00			30 x 35	3.15	30 x 40	3.36
		30 x 30	2.96	30 x 30	3.10	35 x 30	3.25	35 x 30	3.29
1200	128	25 x 45	3.43	25 x 45	3.63	25 x 50	3.61	30 x 45	3.72
		30 x 35	3.41	30 x 35	3.55	30 x 40	3.61		
		35 x 30	3.40	35 x 30	3.49	35 x 35	3.57	35 x 35	3.68
1500	158	30 x 40	3.96	30 x 40	4.10	30 x 45	4.13	35 x 40	4.10
		35 x 35	3.94	35 x 35	4.02	35 x 40	4.06		
1800	188	30 x 45	4.31	30 x 45	4.55	35 x 45	4.59	35 x 45	4.52
		35 x 35	4.28	35 x 35	4.54				
2200	228	35 x 40	4.96	35 x 40	4.83	35 x 50	5.25		
2700	278	35 x 50	5.57	35 x 50	5.30				

Maximum Allowable Ripple Current (Arms) at 85°C 120Hz

Case Size ΦD x L (mm)

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STANDARD RATINGS

Voltage (Code)		250V (2E)		315V (2F)		350V (2V)		385V (2Y)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
68	686							20 x 25	0.68
82	826							20 x 30	0.74
								22 x 25	0.76
100	107							20 x 30	0.86
								22 x 30	0.89
120	127					20 x 30	0.96	20 x 35	0.96
						22 x 25	1.04	22 x 30	0.98
								25 x 25	1.02
150	157			20 x 30	1.00	20 x 30	1.10	20 x 40	1.10
						22 x 30	1.20	22 x 35	1.12
						25 x 25	1.22	25 x 30	1.14
180	187	20 x 25	1.20	20 x 35	1.13	20 x 35	1.24	22 x 40	1.27
				22 x 30	1.29	22 x 30	1.34	25 x 35	1.30
				25 x 25	1.38	25 x 25	1.37	30 x 25	1.37
220	227	20 x 30	1.26	20 x 40	1.29	22 x 35	1.47	22 x 45	1.42
		22 x 25	1.24	22 x 35	1.41	25 x 30	1.53	25 x 35	1.48
				25 x 30	1.47	30 x 25	1.54	30 x 30	1.49
270	277	20 x 30	1.42	22 x 40	1.70	22 x 40	1.70	25 x 40	1.61
		22 x 30	1.50	25 x 30	1.70	25 x 35	1.73	30 x 35	16.4
						30 x 25	1.80		
330	337	20 x 35	1.68	22 x 45	1.91	22 x 45	1.87	25 x 50	1.80
		22 x 30	1.66	25 x 35	1.94	25 x 40	1.97	30 x 40	1.85
		25 x 25	1.61	30 x 30	1.98	30 x 30	2.03	35 x 30	1.87
390	397	20 x 40	1.92	22 x 50	2.07	25 x 40	2.14	30 x 40	2.05
		22 x 35	1.88	25 x 40	2.11	30 x 35	2.23	35 x 35	2.07
		25 x 30	1.88	30 x 30	2.15	35 x 30	2.30		
470	477	22 x 40	2.15	25 x 45	2.39	30 x 35	2.53	30 x 50	2.26
		25 x 35	2.15	30 x 35	2.38			35 x 40	2.26
		30 x 25	2.04	35 x 30	2.36	35 x 30	2.55		
560	567	22 x 45	2.48	30 x 40	2.63	30 x 40	2.73	35 x 45	2.59
		25 x 35	2.35	35 x 35	2.69	35 x 35	2.75		
		30 x 30	2.35						
680	687	25 x 40	2.67	30 x 45	2.80	35 x 40	3.15	35 x 50	2.80
		30 x 35	2.71	35 x 40	3.05				
820	827	25 x 50	3.01	30 x 50	3.28	35 x 45	3.47		
		30 x 35	2.98	35 x 45	3.45				
		35 x 30	2.96						
1000	108	30 x 45	3.56	35 x 50	3.57	35 x 50	3.60		
		35 x 35	3.48						
1200	128	30 x 50	3.99						
		35 x 40	3.84						
1500	158	35 x 45	4.33						
1800	188	35 x 50	4.54						

Maximum Allowable Ripple Current (Arms) at 85°C 120Hz

Case Size Φ D x L (mm)

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STANDARD RATINGS

Voltage (Code)		400V (2G)		420V (2M)		450V (2W)		500V (2H)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
56	566					20 x 25	0.61		
68	686	20 x 25	0.75	20 x 25	0.70	20 x 30	0.70		
						22 x 25	0.71		
82	826	20 x 30	0.82	20 x 30	0.80	20 x 35	0.80		
		22 x 25	0.84	22 x 25	0.85	22 x 25	0.86		
100	107	20 x 30	0.95	20 x 35	0.90	20 x 35	0.88	25 x 25	0.80
		22 x 30	0.99	22 x 30	0.97	22 x 30	0.95		
		25 x 25	0.99	25 x 25	0.98	25 x 25	0.97	30 x 25	0.90
120	127	20 x 35	1.07	20 x 35	1.04	20 x 40	0.99	25 x 30	0.89
		22 x 30	1.09	22 x 30	1.07	22 x 35	1.07		
		25 x 25	1.13	25 x 25	1.08	25 x 30	1.09	30 x 25	0.90
						30 x 25	1.12		
150	157	20 x 40	1.22	20 x 45	1.17	22 x 40	1.18		
				22 x 35	1.21				
		22 x 35	1.24	25 x 30	1.26	25 x 30	1.25	25 x 35	1.07
		25 x 30	1.27	30 x 25	1.30	30 x 25	1.29		
180	187	22 x 40	1.41	22 x 40	1.33	22 x 45	1.32		
		25 x 30	1.44	25 x 35	1.42	25 x 35	1.40	30 x 35	1.30
		30 x 25	1.52	30 x 25	1.48	30 x 30	1.45		
220	227	22 x 45	1.58	22 x 45	1.55	25 x 40	1.59		
		25 x 35	1.64	25 x 35	1.58	30 x 30	1.64	25 x 45	1.40
		30 x 30	1.66	30 x 30	1.65	35 x 30	1.66		
270	277	25 x 40	1.79	25 x 40	1.74	25 x 45	1.73	25 x 50	1.60
				30 x 35	1.90	30 x 35	1.89		
		30 x 30	1.82	35 x 30	1.94	35 x 30	1.90	30 x 40	1.55
330	337	25 x 45	2.00	25 x 50	2.20	30 x 40	2.12		
		30 x 35	2.05	30 x 35	1.98			30 x 45	1.80
		35 x 30	2.05	35 x 35	2.17	35 x 35	2.15		
390	397	30 x 40	2.26	30 x 40	2.22	30 x 45	2.35		
		35 x 35	2.28	35 x 35	2.27	35 x 40	2.38	30 x 50	2.10
470	477	30 x 45	2.51	30 x 45	2.50	35 x 45	2.68		
		35 x 40	2.54	35 x 40	2.61				
560	567	35 x 40	2.85	35 x 45	2.95				
680	687	35 x 50	3.10						

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Case Size ΦD x L (mm)

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