



■Dimensions

Cap. (μF)	V (Code) Size code Code	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)	
		—	6	—	6	—	6	—	6	—	6
22	220										5 × 11
27	270										5 × 11
33	330								5 × 11		6.3 × 11
39	390								5 × 11		6.3 × 11
47	470						5 × 11		6.3 × 11		6.3 × 11
56	560						5 × 11		6.3 × 11		6.3 × 11
68	680				5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
82	820				5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
100	101	5 × 11			6.3 × 11		6.3 × 11		6.3 × 15		8 × 11.5
120	121	5 × 11			6.3 × 11		6.3 × 11		6.3 × 15		8 × 15
150	151	6.3 × 11			6.3 × 11		6.3 × 15		8 × 11.5		8 × 15
180	181	6.3 × 11			6.3 × 11		6.3 × 15		8 × 15	10 × 12.5	8 × 20
220	221	6.3 × 11			6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	8 × 20
270	271	6.3 × 15			6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
330	331	6.3 × 15			8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
390	391	8 × 11.5			8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25
470	471	8 × 15	10 × 12.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5
560	561	8 × 15	10 × 12.5		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20
680	681	8 × 20	10 × 15		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
820	821	8 × 20	10 × 15		10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 25
1000	102	10 × 20	12.5 × 15		10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5
1200	122	10 × 20	12.5 × 15		10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 25	18 × 15	12.5 × 35.5
1500	152	10 × 25	12.5 × 15		10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40
1800	182	10 × 31.5	16 × 15		12.5 × 20	16 × 15	12.5 × 31.5	16 × 20	12.5 × 35.5	16 × 25	16 × 31.5
2200	222	10 × 31.5	16 × 15		12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5
2700	272	12.5 × 25	18 × 15		12.5 × 31.5	16 × 20	12.5 × 35.5	16 × 25	16 × 31.5	18 × 25	16 × 40
3300	332	12.5 × 25	18 × 15		12.5 × 35.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5	18 × 31.5	18 × 40
3900	392	12.5 × 31.5	16 × 20		12.5 × 40	18 × 20	16 × 31.5	18 × 25	16 × 40	18 × 35.5	
4700	472	12.5 × 35.5	18 × 20		16 × 31.5	18 × 25	16 × 35.5	18 × 31.5	18 × 40		
5600	562	12.5 × 40	18 × 20		16 × 35.5	18 × 25	16 × 40	18 × 35.5			
6800	682	16 × 31.5	18 × 25		16 × 35.5	18 × 31.5	18 × 35.5				
8200	822	16 × 35.5	18 × 31.5		16 × 40	18 × 35.5	18 × 40				
10000	103	16 × 40	18 × 31.5		18 × 40						
12000	123	18 × 35.5									
15000	153	18 × 40									φD × L (mm)

Cap. (μF)	V (Code) Size code Code	50 (1H)		63 (1J)		80 (1K)		100 (2A)	
		—	6	—	6	—	6	—	6
0.47	R47	5 × 11						5 × 11	
0.68	R68	5 × 11						5 × 11	
1	010	5 × 11						5 × 11	
1.5	1R5	5 × 11						5 × 11	
2.2	2R2	5 × 11						5 × 11	
3.3	3R3	5 × 11						5 × 11	
4.7	4R7	5 × 11					5 × 11	6.3 × 11	
6.8	6R8	5 × 11					5 × 11	6.3 × 11	
10	100	5 × 11			5 × 11		6.3 × 11	6.3 × 11	
12	120	5 × 11			5 × 11		6.3 × 11	6.3 × 11	
15	150	5 × 11			6.3 × 11		6.3 × 11	6.3 × 15	
18	180	5 × 11			6.3 × 11		6.3 × 11	6.3 × 15	
22	220	6.3 × 11			6.3 × 11		6.3 × 15	8 × 11.5	
27	270	6.3 × 11			6.3 × 11		6.3 × 15	8 × 15	10 × 12.5
33	330	6.3 × 11			6.3 × 15		8 × 11.5	8 × 15	10 × 12.5
39	390	6.3 × 11			6.3 × 15		8 × 15	10 × 12.5	8 × 20
47	470	6.3 × 15			8 × 11.5		8 × 15	10 × 12.5	10 × 20
56	560	6.3 × 15			8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
68	680	8 × 11.5			8 × 15	10 × 12.5	10 × 20	12.5 × 15	10 × 25
82	820	8 × 15	10 × 12.5		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5
100	101	8 × 20	10 × 15		10 × 20	12.5 × 15	10 × 25	12.5 × 15	10 × 31.5
120	121	8 × 20	10 × 15		10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
150	151	10 × 20	12.5 × 15		10 × 25	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
180	181	10 × 20	12.5 × 15		10 × 31.5	16 × 15	12.5 × 25	16 × 15	12.5 × 31.5
220	221	10 × 25	12.5 × 15		12.5 × 20	16 × 15	12.5 × 31.5	18 × 15	12.5 × 35.5
270	271	10 × 31.5	16 × 15		12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40
330	331	10 × 31.5	16 × 15		12.5 × 25	18 × 15	12.5 × 35.5	16 × 25	16 × 31.5
390	391	12.5 × 25	16 × 15		12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5
470	471	12.5 × 25	18 × 15		12.5 × 35.5	16 × 25	16 × 31.5	18 × 25	16 × 40
560	561	12.5 × 31.5	16 × 20		12.5 × 40	18 × 20	16 × 35.5	18 × 31.5	18 × 35.5
680	681	12.5 × 35.5	16 × 20		16 × 31.5	18 × 25	16 × 40	18 × 31.5	18 × 40
820	821	12.5 × 40	18 × 20		16 × 35.5	18 × 31.5	18 × 35.5		
1000	102	16 × 31.5	18 × 25		16 × 40	18 × 35.5	18 × 40		
1200	122	16 × 35.5	18 × 31.5		18 × 40				
1500	152	16 × 40	18 × 31.5						
1800	182	18 × 35.5							
2200	222	18 × 40							φD × L (mm)

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Dimension table for 160 to 450V products are shown in 169 page.

Standard ratings

Cap. (μF)	V (Code) Size code	Item Code	6.3 (0J)									
			Case size φD × L (mm)	—		6		Case size φD × L (mm)	6		6	
				Impedance (Ω) MAX.		Rated ripple (mArms)			Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
100	101	5 × 11	1.40	3.50	150	99						
120	121	5 × 11	1.10	2.80	175	115						
150	151	6.3 × 11	0.78	2.10	225	155						
180	181	6.3 × 11	0.60	1.50	250	175						
220	221	6.3 × 11	0.48	1.20	285	205						
270	271	6.3 × 15	0.39	1.00	370	275						
330	331	6.3 × 15	0.32	0.80	405	310						
390	391	8 × 11.5	0.27	0.68	445	345						
470	471	8 × 15	0.22	0.55	550	435	10 × 12.5	0.23	0.58	575	455	
560	561	8 × 15	0.19	0.48	595	480	10 × 12.5	0.21	0.53	600	485	
680	681	8 × 20	0.16	0.40	730	605	10 × 15	0.18	0.45	700	580	
820	821	8 × 20	0.13	0.33	795	670	10 × 15	0.15	0.38	750	635	
1000	102	10 × 20	0.12	0.30	950	820	12.5 × 15	0.13	0.33	890	765	
1200	122	10 × 20	0.10	0.25	1020	895	12.5 × 15	0.12	0.30	950	835	
1500	152	10 × 25	0.084	0.21	1220	1090	12.5 × 15	0.10	0.25	1020	915	
1800	182	10 × 31.5	0.078	0.20	1370	1230	16 × 15	0.084	0.21	1270	1140	
2200	222	10 × 31.5	0.066	0.17	1470	1320	16 × 15	0.078	0.20	1340	1200	
2700	272	12.5 × 25	0.051	0.14	1590	1430	18 × 15	0.072	0.18	1500	1350	
3300	332	12.5 × 25	0.045	0.11	1710	1530	18 × 15	0.065	0.16	1600	1440	
3900	392	12.5 × 31.5	0.037	0.093	1910	1710	16 × 20	0.056	0.14	1720	1540	
4700	472	12.5 × 35.5	0.034	0.085	2100	1890	18 × 20	0.050	0.13	1920	1720	
5600	562	12.5 × 40	0.031	0.078	2270	2040	18 × 20	0.047	0.12	1980	1780	
6800	682	16 × 31.5	0.029	0.073	2370	2130	18 × 25	0.039	0.098	2210	1980	
8200	822	16 × 35.5	0.027	0.068	2550	2290	18 × 31.5	0.031	0.078	2390	2150	
10000	103	16 × 40	0.025	0.063	2750	2470	18 × 31.5	0.028	0.070	2490	2240	
12000	123	18 × 35.5	0.023	0.058	2820	2530						
15000	153	18 × 40	0.022	0.055	2960	2660						

Cap. (μF)	V (Code) Size code	Item Code	10 (1A)									
			Case size φD × L (mm)	—		6		Case size φD × L (mm)	6		6	
				Impedance (Ω) MAX.		Rated ripple (mArms)			Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
68	680	5 × 11	1.30	3.30	155	97						
82	820	5 × 11	1.10	2.80	175	110						
100	101	6.3 × 11	0.84	2.10	210	135						
120	121	6.3 × 11	0.72	1.80	235	160						
150	151	6.3 × 11	0.55	1.40	265	185						
180	181	6.3 × 11	0.46	1.20	290	205						
220	221	6.3 × 15	0.38	0.95	370	270						
270	271	6.3 × 15	0.31	0.78	405	300						
330	331	8 × 11.5	0.26	0.65	460	350						
390	391	8 × 15	0.22	0.55	550	430	10 × 12.5	0.24	0.60	555	430	
470	471	8 × 15	0.19	0.48	595	475	10 × 12.5	0.21	0.53	600	475	
560	561	8 × 20	0.16	0.40	730	590	10 × 15	0.18	0.45	700	565	
680	681	8 × 20	0.13	0.33	795	660	10 × 15	0.14	0.35	770	635	
820	821	10 × 20	0.11	0.28	985	835	12.5 × 15	0.13	0.33	920	780	
1000	102	10 × 20	0.096	0.24	1060	915	12.5 × 15	0.10	0.25	1040	895	
1200	122	10 × 25	0.078	0.20	1280	1120	12.5 × 15	0.096	0.24	1060	930	
1500	152	10 × 31.5	0.072	0.18	1440	1290	16 × 15	0.078	0.20	1330	1190	
1800	182	12.5 × 20	0.057	0.14	1470	1320	16 × 15	0.072	0.18	1420	1270	
2200	222	12.5 × 25	0.045	0.11	1710	1530	18 × 15	0.060	0.15	1600	1440	
2700	272	12.5 × 31.5	0.036	0.090	1940	1740	16 × 20	0.051	0.13	1740	1560	
3300	332	12.5 × 35.5	0.032	0.080	2180	1960	16 × 20	0.045	0.11	1850	1660	
3900	392	12.5 × 40	0.030	0.075	2360	2120	18 × 20	0.041	0.10	2050	1840	
4700	472	16 × 31.5	0.028	0.070	2420	2170	18 × 25	0.035	0.088	2250	2020	
5600	562	16 × 35.5	0.026	0.065	2610	2340	18 × 25	0.033	0.083	2340	2100	
6800	682	16 × 35.5	0.024	0.060	2680	2410	18 × 31.5	0.027	0.068	2540	2280	
8200	822	16 × 40	0.023	0.058	2820	2530	18 × 35.5	0.025	0.063	2690	2420	
10000	103	18 × 40	0.021	0.053	3040	2730						

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Standard ratings

Cap. (μF)		V (Code)		16 (1C)									
		Size code		—						6			
		Code		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
Item	20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz		105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz		105°C / 120Hz			
47	470	5 × 11	1.30	3.30	155	92							
56	560	5 × 11	1.10	2.80	175	105							
68	680	6.3 × 11	0.78	2.00	220	135							
82	820	6.3 × 11	0.66	1.70	240	155							
100	101	6.3 × 11	0.55	1.40	265	175							
120	121	6.3 × 11	0.45	1.10	290	195							
150	151	6.3 × 15	0.37	0.93	375	260							
180	181	6.3 × 15	0.31	0.78	405	285							
220	221	8 × 11.5	0.26	0.65	460	335							
270	271	8 × 15	0.22	0.55	550	410	10 × 12.5	0.22	0.55	575	430		
330	331	8 × 15	0.18	0.45	595	455	10 × 12.5	0.18	0.45	625	480		
390	391	8 × 20	0.16	0.40	730	570	10 × 15	0.16	0.40	730	570		
470	471	8 × 20	0.14	0.35	770	615	10 × 15	0.14	0.35	770	615		
560	561	10 × 20	0.12	0.30	950	770	12.5 × 15	0.13	0.33	920	745		
680	681	10 × 20	0.10	0.25	1020	845	12.5 × 15	0.11	0.28	985	815		
820	821	10 × 25	0.084	0.21	1220	1030	12.5 × 15	0.096	0.24	1060	895		
1000	102	10 × 31.5	0.072	0.18	1410	1210	16 × 15	0.084	0.21	1270	1090		
1200	122	12.5 × 20	0.060	0.15	1430	1250	16 × 15	0.072	0.18	1390	1220		
1500	152	12.5 × 25	0.048	0.12	1660	1490	18 × 15	0.066	0.17	1560	1400		
1800	182	12.5 × 31.5	0.039	0.10	1880	1690	16 × 20	0.054	0.14	1700	1530		
2200	222	12.5 × 31.5	0.034	0.085	2010	1800	16 × 20	0.048	0.12	1800	1620		
2700	272	12.5 × 35.5	0.031	0.078	2220	1990	16 × 25	0.040	0.10	2010	1800		
3300	332	12.5 × 40	0.028	0.070	2410	2160	18 × 20	0.039	0.10	2090	1880		
3900	392	16 × 31.5	0.027	0.068	2470	2220	18 × 25	0.034	0.085	2290	2060		
4700	472	16 × 35.5	0.025	0.063	2680	2410	18 × 31.5	0.028	0.070	2490	2240		
5600	562	16 × 40	0.024	0.060	2820	2530	18 × 35.5	0.027	0.068	2620	2350		
6800	682	18 × 35.5	0.022	0.055	2900	2610							
8200	822	18 × 40	0.021	0.053	3040	2730							

Cap. (μF)		V (Code)		25 (1E)									
		Size code		—						6			
		Code		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
Item	20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz		105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz		105°C / 120Hz			
33	330	5 × 11	1.30	3.30	155	88							
39	390	5 × 11	1.10	2.80	175	100							
47	470	6.3 × 11	0.84	2.10	210	125							
56	560	6.3 × 11	0.72	1.80	235	140							
68	680	6.3 × 11	0.57	1.40	260	160							
82	820	6.3 × 11	0.47	1.20	285	180							
100	101	6.3 × 15	0.39	0.98	370	245							
120	121	6.3 × 15	0.32	0.80	405	275							
150	151	8 × 11.5	0.26	0.65	460	320							
180	181	8 × 15	0.22	0.55	550	390	10 × 12.5	0.24	0.60	555	395		
220	221	8 × 15	0.18	0.45	625	455	10 × 12.5	0.21	0.53	600	435		
270	271	8 × 20	0.15	0.38	750	560	10 × 15	0.18	0.45	700	525		
330	331	8 × 20	0.13	0.33	795	610	10 × 15	0.15	0.38	750	575		
390	391	10 × 20	0.11	0.28	985	770	12.5 × 15	0.13	0.33	920	720		
470	471	10 × 20	0.10	0.25	1020	810	12.5 × 15	0.11	0.28	985	785		
560	561	10 × 25	0.084	0.21	1220	990	12.5 × 15	0.10	0.25	1060	860		
680	681	10 × 31.5	0.072	0.18	1420	1180	16 × 15	0.084	0.21	1270	1050		
820	821	12.5 × 20	0.059	0.15	1430	1210	16 × 15	0.079	0.20	1340	1130		
1000	102	12.5 × 25	0.048	0.12	1660	1430	18 × 15	0.066	0.17	1520	1310		
1200	122	12.5 × 25	0.043	0.11	1760	1550	18 × 15	0.061	0.15	1600	1400		
1500	152	12.5 × 31.5	0.035	0.088	1980	1780	16 × 20	0.050	0.13	1770	1590		
1800	182	12.5 × 35.5	0.032	0.080	2180	1960	16 × 25	0.041	0.10	1980	1780		
2200	222	12.5 × 40	0.029	0.073	2360	2120	18 × 20	0.040	0.10	2050	1840		
2700	272	16 × 31.5	0.027	0.068	2470	2220	18 × 25	0.034	0.085	2290	2060		
3300	332	16 × 35.5	0.025	0.063	2680	2410	18 × 31.5	0.029	0.073	2490	2240		
3900	392	16 × 40	0.023	0.058	2820	2530	18 × 35.5	0.026	0.065	2690	2420		
4700	472	18 × 40	0.022	0.055	2960	2660							

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

■ Standard ratings

Cap. (μF)		V (Code)		35 (1V)									
		Size code		N						6			
		Code		Case size D L (mm)	Impedance () MAX.		Rated ripple (mArms)		Case size D L (mm)	Impedance () MAX.		Rated ripple (mArms)	
					200C / 100kHz	∅100C / 100kHz	1050C / 100kHz	1050C / 120Hz		200C / 100kHz	∅100C / 100kHz	1050C / 100kHz	1050C / 120Hz
22	220	5	11	1.30	3.30	160	85						
27	270	5	11	1.00	2.50	180	99						
33	330	6.3	11	0.78	2.00	225	125						
39	390	6.3	11	0.66	1.70	245	140						
47	470	6.3	11	0.54	1.40	270	160						
56	560	6.3	11	0.45	1.10	295	180						
68	680	6.3	15	0.37	0.93	370	230						
82	820	6.3	15	0.31	0.78	415	265						
100	101	8	11.5	0.26	0.65	460	305						
120	121	8	15	0.22	0.55	550	370	10	12.5	0.24	0.60	555	375
150	151	8	15	0.18	0.45	595	415	10	12.5	0.20	0.50	625	435
180	181	8	20	0.16	0.40	730	520	10	15	0.18	0.45	700	500
220	221	8	20	0.13	0.33	795	580	10	15	0.14	0.35	770	560
270	271	10	20	0.11	0.28	985	735	12.5	15	0.13	0.33	920	690
330	331	10	20	0.096	0.24	1060	810	12.5	15	0.10	0.25	1020	780
390	391	10	25	0.084	0.21	1220	955	12.5	15	0.096	0.24	1060	825
470	471	10	31.5	0.072	0.18	1420	1130	16	15	0.084	0.21	1270	1010
560	561	12.5	20	0.059	0.15	1430	1160	16	15	0.075	0.19	1360	1100
680	681	12.5	25	0.048	0.12	1660	1370	18	15	0.066	0.17	1540	1270
820	821	12.5	25	0.042	0.11	1760	1490	18	15	0.060	0.15	1620	1370
1000	102	12.5	31.5	0.035	0.088	1980	1710	16	20	0.050	0.13	1770	1530
1200	122	12.5	35.5	0.031	0.078	2180	1920	16	25	0.041	0.10	1980	1740
1500	152	12.5	40	0.029	0.073	2360	2120	18	20	0.040	0.10	2050	1840
1800	182	16	31.5	0.027	0.068	2470	2220	18	25	0.034	0.085	2290	2060
2200	222	16	35.5	0.024	0.060	2680	2410	18	31.5	0.028	0.070	2490	2240
2700	272	16	40	0.022	0.055	2900	2610	18	35.5	0.026	0.065	2690	2420
3300	332	18	40	0.021	0.053	3040	2730						

Cap. (μF)		V (Code)		50 (1H)									
		Size code		N						6			
		Code		Case size D L (mm)	Impedance () MAX.		Rated ripple (mArms)		Case size D L (mm)	Impedance () MAX.		Rated ripple (mArms)	
					200C / 100kHz	∅100C / 100kHz	1050C / 100kHz	1050C / 120Hz		200C / 100kHz	∅100C / 100kHz	1050C / 100kHz	1050C / 120Hz
0.47	R47	5	11	31.0	80.0	22	11						
0.68	R68	5	11	21.0	55.0	28	14						
1	010	5	11	14.0	38.0	36	18						
1.5	1R5	5	11	9.80	28.0	45	22						
2.2	2R2	5	11	6.50	18.0	54	27						
3.3	3R3	5	11	4.60	12.0	66	33						
4.7	4R7	5	11	3.10	7.80	81	40						
6.8	6R8	5	11	2.50	6.30	91	45						
10	100	5	11	2.00	5.00	115	57						
12	120	5	11	1.70	4.30	125	62						
15	150	5	11	1.30	3.30	145	72						
18	180	5	11	1.10	2.80	155	79						
22	220	6.3	11	0.91	2.30	195	100						
27	270	6.3	11	0.74	1.90	215	115						
33	330	6.3	11	0.60	1.50	240	135						
39	390	6.3	11	0.50	1.30	260	150						
47	470	6.3	15	0.42	1.10	330	195						
56	560	6.3	15	0.35	0.88	360	220						
68	680	8	11.5	0.28	0.70	410	255						
82	820	8	15	0.22	0.55	500	320	10	12.5	0.23	0.58	510	330
100	101	8	20	0.18	0.45	620	410	10	15	0.21	0.53	580	385
120	121	8	20	0.16	0.40	670	455	10	15	0.17	0.43	640	435
150	151	10	20	0.13	0.33	820	570	12.5	15	0.14	0.35	785	545
180	181	10	20	0.11	0.28	890	635	12.5	15	0.12	0.31	845	605
220	221	10	25	0.098	0.25	1040	760	12.5	15	0.10	0.25	920	670
270	271	10	31.5	0.085	0.21	1200	900	16	15	0.091	0.23	1120	840
330	331	10	31.5	0.072	0.18	1300	995	16	15	0.078	0.20	1210	925
390	391	12.5	25	0.053	0.13	1440	1120	16	15	0.072	0.18	1270	990
470	471	12.5	25	0.048	0.12	1500	1190	18	15	0.060	0.15	1470	1170
560	561	12.5	31.5	0.040	0.10	1680	1360	16	20	0.053	0.13	1550	1260
680	681	12.5	35.5	0.036	0.090	1850	1530	16	20	0.048	0.12	1630	1350
820	821	12.5	40	0.033	0.083	2010	1700	18	20	0.043	0.11	1810	1530
1000	102	16	31.5	0.030	0.075	2120	1830	18	25	0.036	0.090	2000	1730
1200	122	16	35.5	0.028	0.070	2260	1990	18	31.5	0.031	0.078	2140	1880
1500	152	16	40	0.026	0.065	2410	2170	18	31.5	0.029	0.073	2220	1990
1800	182	18	35.5	0.025	0.063	2460	2210						
2200	222	18	40	0.024	0.060	2560	2300						

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Standard ratings

Cap. (μF)	V (Code)	Size code	63 (1J)									
			Item	Case size φD × L (mm)	—		6		Case size φD × L (mm)	6		Rated ripple (mArms)
					Impedance (Ω) MAX.		Impedance (Ω) MAX.			Rated ripple (mArms)		
					20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	
10	100	5 × 11	1.60	4.00	135	67						
12	120	5 × 11	1.40	3.50	145	72						
15	150	6.3 × 11	1.10	2.80	185	92						
18	180	6.3 × 11	0.95	2.40	195	100						
22	220	6.3 × 11	0.78	2.00	215	110						
27	270	6.3 × 11	0.64	1.60	240	130						
33	330	6.3 × 15	0.52	1.30	305	170						
39	390	6.3 × 15	0.45	1.10	330	190						
47	470	8 × 11.5	0.37	0.93	365	215						
56	560	8 × 15	0.31	0.78	450	275	10 × 12.5	0.34	0.85	450	275	
68	680	8 × 15	0.26	0.65	500	315	10 × 12.5	0.28	0.70	495	310	
82	820	8 × 20	0.22	0.55	600	385	10 × 15	0.24	0.60	580	375	
100	101	10 × 20	0.18	0.45	750	495	12.5 × 15	0.20	0.50	695	460	
120	121	10 × 20	0.15	0.38	820	555	12.5 × 15	0.18	0.45	750	510	
150	151	10 × 25	0.13	0.33	950	665	12.5 × 15	0.14	0.35	845	590	
180	181	10 × 31.5	0.11	0.28	1110	790	16 × 15	0.12	0.30	1050	750	
220	221	12.5 × 20	0.094	0.24	1140	835	16 × 15	0.10	0.25	1120	820	
270	271	12.5 × 25	0.081	0.20	1340	1000	18 × 15	0.088	0.22	1290	965	
330	331	12.5 × 25	0.072	0.18	1420	1090	18 × 15	0.078	0.20	1410	1080	
390	391	12.5 × 31.5	0.059	0.15	1620	1260	16 × 20	0.070	0.18	1500	1170	
470	471	12.5 × 35.5	0.052	0.13	1780	1420	16 × 25	0.063	0.16	1700	1350	
560	561	12.5 × 40	0.047	0.12	1950	1580	18 × 20	0.058	0.15	1730	1400	
680	681	16 × 31.5	0.043	0.11	2050	1700	18 × 25	0.051	0.13	1940	1610	
820	821	16 × 35.5	0.040	0.10	2220	1880	18 × 31.5	0.043	0.12	2110	1780	
1000	102	16 × 40	0.037	0.093	2370	2050	18 × 35.5	0.040	0.10	2280	1970	
1200	122	18 × 40	0.034	0.085	2510	2210						

Cap. (μF)	V (Code)	Size code	80 (1K)									
			Item	Case size φD × L (mm)	—		6		Case size φD × L (mm)	6		Rated ripple (mArms)
					Impedance (Ω) MAX.		Impedance (Ω) MAX.			Rated ripple (mArms)		
					20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	
4.7	4R7	5 × 11	4.20	11.00	53	26						
6.8	6R8	5 × 11	2.60	7.00	68	34						
10	100	6.3 × 11	1.70	4.60	87	43						
12	120	6.3 × 11	1.40	3.80	96	48						
15	150	6.3 × 11	1.20	3.20	104	52						
18	180	6.3 × 11	1.00	2.70	114	58						
22	220	6.3 × 15	0.77	2.10	135	71						
27	270	6.3 × 15	0.63	1.70	149	80						
33	330	8 × 11.5	0.53	1.40	234	132						
39	390	8 × 15	0.46	1.20	272	156	10 × 12.5	0.49	1.30	271	155	
47	470	8 × 15	0.39	1.10	295	175	10 × 12.5	0.42	1.10	293	174	
56	560	8 × 20	0.34	0.92	347	208	10 × 15	0.36	0.97	337	202	
68	680	10 × 20	0.28	0.76	426	264	12.5 × 15	0.31	0.84	402	249	
82	820	10 × 20	0.25	0.68	447	284	12.5 × 15	0.27	0.73	430	273	
100	101	10 × 25	0.21	0.57	526	347	12.5 × 15	0.23	0.62	466	308	
120	121	10 × 31.5	0.18	0.49	606	406	16 × 15	0.20	0.54	663	444	
150	151	10 × 31.5	0.15	0.41	663	459	16 × 15	0.18	0.47	699	484	
180	181	12.5 × 25	0.13	0.35	734	520	16 × 15	0.15	0.41	766	543	
220	221	12.5 × 31.5	0.12	0.32	816	595	18 × 15	0.13	0.35	881	643	
270	271	12.5 × 31.5	0.10	0.27	894	667	16 × 20	0.11	0.30	995	742	
330	331	12.5 × 35.5	0.088	0.24	1000	767	16 × 25	0.099	0.27	1140	874	
390	391	12.5 × 40	0.078	0.21	1060	822	18 × 20	0.089	0.24	1170	908	
470	471	16 × 31.5	0.069	0.19	1450	1150	18 × 25	0.080	0.22	1330	1060	
560	561	16 × 35.5	0.062	0.17	1600	1300	18 × 31.5	0.072	0.19	1490	1210	
680	681	16 × 40	0.055	0.15	1770	1470	18 × 31.5	0.065	0.18	1560	1300	
820	821	18 × 35.5	0.049	0.13	1890	1590						
1000	102	18 × 40	0.044	0.12	2080	1790						

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Standard ratings

Cap. (μF)	V (Code)	Size code	Item	100 (2A)										
				Case size φD × L (mm)	—				6					
					Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		
					20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz	
0.47	R47	5 × 11	43.0	116.0	17	8								
0.68	R68	5 × 11	23.0	62.0	23	11								
1	010	5 × 11	17.0	46.0	27	13								
1.5	1R5	5 × 11	10.0	27.0	35	17								
2.2	2R2	5 × 11	6.60	18.0	43	21								
3.3	3R3	5 × 11	4.10	11.0	54	27								
4.7	4R7	6.3 × 11	2.80	7.60	68	34								
6.8	6R8	6.3 × 11	1.90	5.10	83	41								
10	100	6.3 × 11	1.20	3.20	104	52								
12	120	6.3 × 11	1.00	2.70	114	57								
15	150	6.3 × 15	0.81	2.20	131	65								
18	180	6.3 × 15	0.67	1.80	155	73								
22	220	8 × 11.5	0.55	1.50	230	122								
27	270	8 × 15	0.47	1.30	269	146	10 × 12.5	0.50	1.40	268	145			
33	330	8 × 15	0.38	1.00	299	169	10 × 12.5	0.42	1.10	293	166			
39	390	8 × 20	0.33	0.89	352	202	10 × 15	0.36	0.97	337	193			
47	470	10 × 20	0.28	0.76	423	252	12.5 × 15	0.31	0.84	402	239			
56	560	10 × 20	0.24	0.65	456	274	12.5 × 15	0.27	0.73	430	258			
68	680	10 × 25	0.21	0.57	526	326	12.5 × 15	0.23	0.62	466	289			
82	820	10 × 31.5	0.18	0.49	606	386	16 × 15	0.19	0.51	681	433			
100	101	10 × 31.5	0.15	0.41	663	438	16 × 15	0.17	0.46	719	475			
120	121	12.5 × 25	0.13	0.35	774	519	16 × 15	0.14	0.38	793	531			
150	151	12.5 × 25	0.11	0.30	798	553	18 × 15	0.12	0.32	917	635			
180	181	12.5 × 31.5	0.098	0.26	904	641	16 × 20	0.11	0.30	995	706			
220	221	12.5 × 35.5	0.087	0.23	1000	730	16 × 25	0.093	0.25	1170	854			
270	271	12.5 × 40	0.072	0.19	1130	843	18 × 20	0.080	0.22	1230	918			
330	331	16 × 31.5	0.062	0.17	1520	1160	18 × 25	0.070	0.19	1420	1080			
390	391	16 × 35.5	0.053	0.14	1730	1340	18 × 31.5	0.062	0.17	1600	1240			
470	471	16 × 40	0.047	0.13	1920	1530	18 × 35.5	0.056	0.15	1770	1410			
560	561	18 × 35.5	0.041	0.11	2070	1680								
680	681	18 × 40	0.036	0.097	2300	1910								

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Cap. (μF)	V Code	160		200		250		315		350		400		450	
		2C	19	2D	19	2E	19	2F	19	2V	21	2G	17	2W	17
1	010	8 × 11.5	19	8 × 11.5	19	8 × 11.5	19	8 × 11.5	19	10 × 12.5	21	10 × 12.5	17	10 × 15	17
2.2	2R2	8 × 11.5	30	8 × 11.5	30	10 × 12.5	32	10 × 12.5	32	10 × 15	34	10 × 15	28	10 × 20	28
3.3	3R3	10 × 12.5	50	10 × 12.5	50	10 × 15	52	10 × 15	52	10 × 20	54	10 × 20	47	12.5 × 20	48
4.7	4R7	10 × 12.5	57	10 × 15	60	10 × 15	60	10 × 20	65	10 × 20	65	12.5 × 20	55	12.5 × 25	55
10	100	10 × 15	90	10 × 20	95	12.5 × 20	98	12.5 × 20	98	12.5 × 25	100	12.5 × 25	85	16 × 25	90
22	220	12.5 × 20	140	12.5 × 25	145	16 × 25	150	16 × 25	150	16 × 25	150	16 × 31.5	130	16 × 35.5	135
33	330	12.5 × 25	175	16 × 25	180	16 × 25	180	16 × 31.5	185	16 × 35.5	190	18 × 35.5	170	18 × 40	170
47	470	16 × 25	220	16 × 25	220	16 × 31.5	225	18 × 35.5	235	18 × 40	240				
100	101	16 × 35.5	330	18 × 40	345	18 × 40	345							Case size	※ 1

※ 1 Rated Ripple (mArms) at 105°C 120Hz