

ALUMINUM ELECTROLYTIC CAPACITORS



■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	10 × 12.5
150	151	6.3 × 11		6.3 × 11		6.3 × 15		8 × 11.5		8 × 15	10 × 12.5
180	181	6.3 × 11		6.3 × 11		6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15
220	221	6.3 × 11		6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15
270	271	6.3 × 15		6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15
330	331	6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15
390	391	8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15
470	471	8 × 15	10 × 12.5	8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15
560	561	8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20	16 × 15
680	681	8 × 20	10 × 15	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	18 × 15
820	821	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 25	18 × 15
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	16 × 20
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	16 × 25
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	18 × 20
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	18 × 25
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	18 × 31.5
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	18 × 35.5
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	10 × 15
47	470	6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	10 × 20	12.5 × 15
56	560	6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15
68	680	8 × 11.5		8 × 15	10 × 12.5	10 × 20	12.5 × 15	10 × 25	12.5 × 15
82	820	8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15
100	101	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	10 × 31.5	16 × 15
120	121	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	16 × 15
150	151	10 × 20	12.5 × 15	10 × 25	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	18 × 15
180	181	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	16 × 15	12.5 × 31.5	16 × 20
220	221	10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 31.5	18 × 15	12.5 × 35.5	16 × 25
270	271	10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40	18 × 20
330	331	10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 35.5	16 × 25	16 × 31.5	18 × 25
390	391	12.5 × 25	16 × 15	12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5	18 × 31.5
470	471	12.5 × 25	18 × 15	12.5 × 35.5	16 × 25	16 × 31.5	18 × 25	16 × 40	18 × 35.5
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 ~ 450V products are shown in 151 page.

ALUMINUM ELECTROLYTIC CAPACITORS



PJ series

Standard ratings

Cap. (μF)	Item	Case size φD × L (mm)	6.3 (0J)				6				
			Impedance (Ω) MAX.		Rated ripple (mA rms)		Impedance (Ω) MAX.		Rated ripple (mA rms)		
			20°C / 100kHz		-10°C / 100kHz		105°C / 120Hz		105°C / 120Hz		
			20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 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)	Item	Case size φD × L (mm)	10 (1A)				6				
			Impedance (Ω) MAX.		Rated ripple (mA rms)		Impedance (Ω) MAX.		Rated ripple (mA rms)		
			20°C / 100kHz		-10°C / 100kHz		105°C / 120Hz		105°C / 120Hz		
			20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 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.

ALUMINUM ELECTROLYTIC CAPACITORS



Standard ratings

Cap. (μF)	V (Code)	Size code	Item	16 (1C)								
				—				6				
				Case size φD × L (mm)	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 ~ 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 120Hz			
47	470	470	5 × 11	1.30	3.30	155	92					
56	560	560	5 × 11	1.10	2.80	175	105					
68	680	680	6.3 × 11	0.78	2.00	220	135					
82	820	820	6.3 × 11	0.66	1.70	240	155					
100	101	101	6.3 × 11	0.55	1.40	265	175					
120	121	121	6.3 × 11	0.45	1.10	290	195					
150	151	151	6.3 × 15	0.37	0.93	375	260					
180	181	181	6.3 × 15	0.31	0.78	405	285					
220	221	221	8 × 11.5	0.26	0.65	460	335					
270	271	271	8 × 15	0.22	0.55	550	410	10 × 12.5	0.22	0.55	575	430
330	331	331	8 × 15	0.18	0.45	595	455	10 × 12.5	0.18	0.45	625	480
390	391	391	8 × 20	0.16	0.40	730	570	10 × 15	0.16	0.40	730	570
470	471	471	8 × 20	0.14	0.35	770	615	10 × 15	0.14	0.35	770	615
560	561	561	10 × 20	0.12	0.30	950	770	12.5 × 15	0.13	0.33	920	745
680	681	681	10 × 20	0.10	0.25	1020	845	12.5 × 15	0.11	0.28	985	815
820	821	821	10 × 25	0.084	0.21	1220	1030	12.5 × 15	0.096	0.24	1060	895
1000	102	102	10 × 31.5	0.072	0.18	1410	1210	16 × 15	0.084	0.21	1270	1090
1200	122	122	12.5 × 20	0.060	0.15	1430	1250	16 × 15	0.072	0.18	1390	1220
1500	152	152	12.5 × 25	0.048	0.12	1660	1490	18 × 15	0.066	0.17	1560	1400
1800	182	182	12.5 × 31.5	0.039	0.10	1880	1690	16 × 20	0.054	0.14	1700	1530
2200	222	222	12.5 × 31.5	0.034	0.085	2010	1800	16 × 20	0.048	0.12	1800	1620
2700	272	272	12.5 × 35.5	0.031	0.078	2220	1990	16 × 25	0.040	0.10	2010	1800
3300	332	332	12.5 × 40	0.028	0.070	2410	2160	18 × 20	0.039	0.10	2090	1880
3900	392	392	16 × 31.5	0.027	0.068	2470	2220	18 × 25	0.034	0.085	2290	2060
4700	472	472	16 × 35.5	0.025	0.063	2680	2410	18 × 31.5	0.028	0.070	2490	2240
5600	562	562	16 × 40	0.024	0.060	2820	2530	18 × 35.5	0.027	0.068	2620	2350
6800	682	682	18 × 35.5	0.022	0.055	2900	2610					
8200	822	822	18 × 40	0.021	0.053	3040	2730					

Cap. (μF)	V (Code)	Size code	Item	25 (1E)								
				—				6				
				Case size φD × L (mm)	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 ~ 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 120Hz			
33	330	330	5 × 11	1.30	3.30	155	88					
39	390	390	5 × 11	1.10	2.80	175	100					
47	470	470	6.3 × 11	0.84	2.10	210	125					
56	560	560	6.3 × 11	0.72	1.80	235	140					
68	680	680	6.3 × 11	0.57	1.40	260	160					
82	820	820	6.3 × 11	0.47	1.20	285	180					
100	101	101	6.3 × 15	0.39	0.98	370	245					
120	121	121	6.3 × 15	0.32	0.80	405	275					
150	151	151	8 × 11.5	0.26	0.65	460	320					
180	181	181	8 × 15	0.22	0.55	550	390	10 × 12.5	0.24	0.60	555	395
220	221	221	8 × 15	0.18	0.45	625	455	10 × 12.5	0.21	0.53	600	435
270	271	271	8 × 20	0.15	0.38	750	560	10 × 15	0.18	0.45	700	525
330	331	331	8 × 20	0.13	0.33	795	610	10 × 15	0.15	0.38	750	575
390	391	391	10 × 20	0.11	0.28	985	770	12.5 × 15	0.13	0.33	920	720
470	471	471	10 × 20	0.10	0.25	1020	810	12.5 × 15	0.11	0.28	985	785
560	561	561	10 × 25	0.084	0.21	1220	990	12.5 × 15	0.10	0.25	1060	860
680	681	681	10 × 31.5	0.072	0.18	1420	1180	16 × 15	0.084	0.21	1270	1050
820	821	821	12.5 × 20	0.059	0.15	1430	1210	16 × 15	0.079	0.20	1340	1130
1000	102	102	12.5 × 25	0.048	0.12	1660	1430	18 × 15	0.066	0.17	1520	1310
1200	122	122	12.5 × 25	0.043	0.11	1760	1550	18 × 15	0.061	0.15	1600	1400
1500	152	152	12.5 × 31.5	0.035	0.088	1980	1780	16 × 20	0.050	0.13	1770	1590
1800	182	182	12.5 × 35.5	0.032	0.080	2180	1960	16 × 25	0.041	0.10	1980	1780
2200	222	222	12.5 × 40	0.029	0.073	2360	2120	18 × 20	0.040	0.10	2050	1840
2700	272	272	16 × 31.5	0.027	0.068	2470	2220	18 × 25	0.034	0.085	2290	2060
3300	332	332	16 × 35.5	0.025	0.063	2680	2410	18 × 31.5	0.029	0.073	2490	2240
3900	392	392	16 × 40	0.023	0.058	2820	2530	18 × 35.5	0.026	0.065	2690	2420
4700	472	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.

ALUMINUM ELECTROLYTIC CAPACITORS



Standard ratings

V (Code) Size code		35 (1V)										
		Item Code	Case size φD × L (mm)	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 ~ 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 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						

V (Code) Size code		50 (1H)										
		Item Code	Case size φD × L (mm)	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 ~ 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz ~ 200kHz	105°C / 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.

ALUMINUM ELECTROLYTIC CAPACITORS

PJ series

Standard ratings

Cap. (μF)	V (Code) Size code	Item Code	63 (1J)									
			Case size φD × L (mm)	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 / 100kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz	105°C / 120Hz
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	Item Code	80 (1K)									
			Case size φD × L (mm)	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 / 100kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 100kHz	105°C / 120Hz
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.

ALUMINUM ELECTROLYTIC CAPACITORS



Standard ratings

Cap. (μF)	V (Code)	Size code	Item	100 (2A)							6			
				Case size φD × L (mm)	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 - 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz - 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	2D	2E	2F	2V	2G	2W							
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