

ALUMINUM ELECTROLYTIC CAPACITORS

BPA 臥式 85°C雙極性品 Bi-Polar Axial 85°C

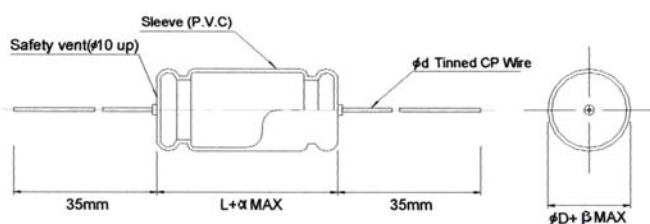
- 雙極性電容
- 產品壽命保證 2,000 小時/85°C
- Life guaranteed 2,000 hrs./85°C.



• Specifications

Item	Performance Characteristics	
Operating Temperature range 使用溫度範圍	-40 + 85°C	
Rated Voltage 額定電壓	50V~100V	
Capacitance Range 容量範圍	1 ~ 270 μ F	
Capacitance Tolerance 靜電容量容許差	\pm 20%, 10% or 5% (1KHz, 20°C)	
Leakage Current 洩漏電流	$I \leq 0.04CV$ or 3 μ A, whichever is greater after 5 minutes application of rated voltage.	
Dissipation Factor 散逸因素 (1KHz, 20°C)	See the below table for the size, ripple, & dissipation factor.	
Load Life 高溫負荷特性	After 2,000 hours application of WV at 85°C with the polarity inverted every 250 hours, capacitor shall meet the characteristics requirements mentioned below.	
	Capacitance change	Within \pm 20% of initial value
	Tan δ	200% or less of initial specified value
	Leakage current	Initial specified value or less
Shelf Life 擺置壽命	After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they shall meet the specified value as load life characteristics listed above.	

• Dimension



D ϕ	6.3	8	10	13	18	22	25
ϕd		0.6			0.8		
α		1.5			2.0		
β		0.5			1.0		

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VDC: 50V & 63V

• Size, ripple current, & dissipation factor

Unit: DxL(mm)

Tan		DF : 3 %		DF : 4 %		DF : 5 %		DF : 6 %		DF : 10 %		DF : 12 %		DF : 15 %	
μF	Contents	D × L	mA	D × L	mA	D × L	mA	D × L	mA	D × L	mA	D × L	mA	D × L	mA
1.0	010	13 × 26	171	10 × 20	114	10 × 20	102	8 × 17	76	8 × 17	59	6 × 16	44	6 × 16	40
1.5	1R5	13 × 26	209	10 × 20	139	10 × 20	125	8 × 17	93	8 × 17	72	6 × 16	54	6 × 16	49
2.2	2R2	13 × 26	253	10 × 20	169	10 × 20	151	8 × 17	113	8 × 17	88	6 × 16	66	6 × 16	59
2.7	2R7	13 × 26	281	10 × 20	187	10 × 20	167	8 × 17	125	8 × 17	97	8 × 17	89	8 × 17	79
3.3	3R3	13 × 26	310	10 × 20	207	10 × 20	185	10 × 20	158	8 × 17	107	8 × 17	98	8 × 17	88
3.9	3R9	13 × 26	337	10 × 24	242	10 × 24	217	10 × 20	184	8 × 17	117	8 × 17	106	8 × 17	95
4.7	4R7	13 × 31	398	10 × 24	266	10 × 24	238	10 × 20	201	8 × 17	128	8 × 17	117	8 × 17	104
5.6	5R6	13 × 31	434	10 × 24	290	10 × 24	259	10 × 20	220	8 × 17	140	8 × 17	136	8 × 17	122
6.8	6R8	13 × 31	479	10 × 24	320	10 × 24	286	10 × 24	261	10 × 20	188	8 × 20	150	8 × 20	134
7.5	7R5	13 × 31	503	10 × 24	336	10 × 24	300	10 × 24	274	10 × 20	197	8 × 20	158	8 × 20	141
8.2	8R2	13 × 31	526	13 × 26	424	10 × 24	314	10 × 24	287	10 × 20	206	8 × 20	165	8 × 20	147
10	100	16 × 33	673	13 × 26	468	10 × 24	347	10 × 24	317	10 × 20	228	8 × 20	182	8 × 20	163
12	120	16 × 33	737	13 × 26	513	10 × 24	380	10 × 24	347	10 × 20	249	8 × 20	199	8 × 20	178
15	150	16 × 33	825	13 × 26	573	13 × 26	513	10 × 24	388	10 × 20	279	8 × 20	223	8 × 20	199
18	180	16 × 33	903	13 × 26	628	13 × 26	561	10 × 24	425	10 × 24	329	10 × 20	279	10 × 20	249
22	220	16 × 42	1103	13 × 31	745	13 × 31	667	13 × 26	469	10 × 24	364	10 × 20	308	10 × 20	276
27	270	16 × 42	1222	13 × 31	826	13 × 31	739	13 × 26	628	10 × 24	403	10 × 20	341	10 × 20	305
33	330	16 × 42	1351	13 × 31	913	13 × 31	817	13 × 26	694	10 × 24	445	10 × 20	377	10 × 20	338
47	470	18 × 42	1727	16 × 33	1264	16 × 33	1131	13 × 31	890	13 × 26	532	10 × 24	485	10 × 24	434
56	560	18 × 42	1885	16 × 33	1380	16 × 33	1234	13 × 31	971	13 × 26	700	10 × 24	530	10 × 24	474
68	680	22 × 44	2384	16 × 33	1520	16 × 33	1360	13 × 31	1070	13 × 26	772	10 × 24	584	10 × 24	522
75	750	22 × 44	2504	16 × 33	1597	16 × 33	1428	13 × 31	1124	13 × 26	810	13 × 26	740	13 × 26	662
82	820	22 × 44	2618	16 × 33	1670	16 × 33	1493	13 × 31	1175	13 × 31	910	13 × 26	774	13 × 26	692
100	101	22 × 44	2891	16 × 42	2036	16 × 33	1649	16 × 33	1505	13 × 31	1005	13 × 26	854	13 × 26	764
120	121					16 × 33	1806	16 × 33	1649	13 × 31	1101	13 × 31	1005	13 × 31	899
150	151					16 × 42	2230	16 × 33	1844	16 × 33	1428	13 × 31	1124	13 × 31	1005
180	181							16 × 42	2230	16 × 33	1564	16 × 33	1428	16 × 33	1277
220	221							18 × 42	2641	16 × 33	1730	16 × 33	1579	16 × 33	1412
270	271									16 × 33	1916	16 × 33	1749	16 × 33	1564

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VDC: 100V

• Size, ripple current, & dissipation factor

Unit: DxL(mm)

Tan		DF : 3 %		DF : 4 %		DF : 5 %		DF : 6 %		DF : 10 %		DF : 12 %		DF : 15 %	
μF	Contents	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA
1.0	010	13 x 26	171	10 x 20	114	10 x 20	102	10 x 20	76	8 x 17	66	8 x 17	54	8 x 17	48
1.5	1R5	13 x 26	209	10 x 20	139	10 x 20	125	10 x 20	114	8 x 17	82	8 x 17	66	8 x 17	59
2.2	2R2	13 x 26	253	10 x 20	169	10 x 20	151	10 x 20	138	8 x 17	101	8 x 17	80	8 x 17	71
2.7	2R7	13 x 26	281	10 x 20	187	10 x 20	167	10 x 20	153	8 x 17	112	8 x 17	89	8 x 17	79
3.3	3R3	13 x 26	310	10 x 20	207	10 x 20	185	10 x 20	169	8 x 17	123	8 x 17	98	8 x 17	88
3.9	3R9	13 x 26	337	10 x 24	242	10 x 24	217	10 x 20	184	8 x 17	134	8 x 17	106	8 x 17	95
4.7	4R7	13 x 31	398	10 x 24	266	10 x 24	238	10 x 20	201	8 x 17	156	8 x 17	117	8 x 17	104
5.6	5R6	13 x 31	434	10 x 24	290	10 x 24	259	10 x 20	220	10 x 20	170	10 x 20	136	10 x 20	122
6.8	6R8	13 x 31	479	13 x 26	386	10 x 24	286	10 x 24	261	10 x 20	182	10 x 20	150	10 x 20	134
7.5	7R5	13 x 31	503	13 x 26	405	10 x 24	300	10 x 24	274	10 x 20	192	10 x 20	180	10 x 20	161
8.2	8R2	13 x 31	526	13 x 26	424	13 x 26	379	10 x 24	287	10 x 20	202	10 x 20	188	10 x 20	168
10	100	16 x 33	673	13 x 31	503	13 x 26	418	10 x 24	317	10 x 20	225	10 x 20	208	10 x 20	186
12	120	16 x 33	737	13 x 31	551	13 x 26	458	10 x 24	347	10 x 20	260	10 x 20	228	10 x 20	204
15	150	16 x 33	825	13 x 31	616	13 x 31	551	13 x 26	468	10 x 24	300	10 x 24	274	10 x 24	245
18	180	16 x 33	903	13 x 31	674	13 x 31	603	13 x 26	513	10 x 24	329	10 x 24	300	10 x 24	269
22	220	16 x 42	1103	13 x 31	745	13 x 31	667	13 x 26	567	10 x 24	364	10 x 24	332	10 x 24	297
27	270	16 x 42	1222	13 x 31	826	13 x 31	739	13 x 26	628	10 x 24	458	10 x 24	368	10 x 24	329
33	330	16 x 42	1351	16 x 33	1059	13 x 31	817	13 x 31	745	13 x 26	541	13 x 26	491	13 x 26	439
47	470	18 x 42	1727	16 x 33	1264	16 x 33	1131	16 x 33	1032	13 x 26	660	13 x 26	601	13 x 26	535
56	560	18 x 42	1885	16 x 42	1524	16 x 33	1234	16 x 33	1126	13 x 31	752	13 x 31	687	13 x 31	614
68	680	22 x 44	2384	16 x 42	1679	16 x 33	1360	16 x 33	1241	13 x 31	829	13 x 31	757	13 x 31	677
75	750	22 x 44	2504	16 x 42	1763	16 x 42	1577	16 x 33	1304	13 x 31	871	13 x 31	795	13 x 31	711
82	820	22 x 44	2618	18 x 42	1975	16 x 42	1649	16 x 33	1363	13 x 31	910	13 x 31	831	13 x 31	743
100	101	22 x 44	2891	18 x 42	2181	18 x 42	1951	16 x 42	1662	16 x 33	1160	16 x 33	1064	16 x 33	952
120	121					18 x 42	2137	16 x 42	1821	16 x 33	1277	16 x 33	1166	16 x 33	1043
150	151					22 x 44	2743	16 x 42	2036	16 x 33	1358	16 x 33	1210	16 x 33	1149
180	181							18 x 42	2389	16 x 42	1728	16 x 42	1577	16 x 42	1411
220	221							22 x 44	3032	18 x 42	2046	18 x 42	1868	18 x 42	1670
270	271											18 x 42	2069	18 x 42	1851

Ripple (mA) at 85°C 1KHz