



LAG Axial, General Purpose, 85°C

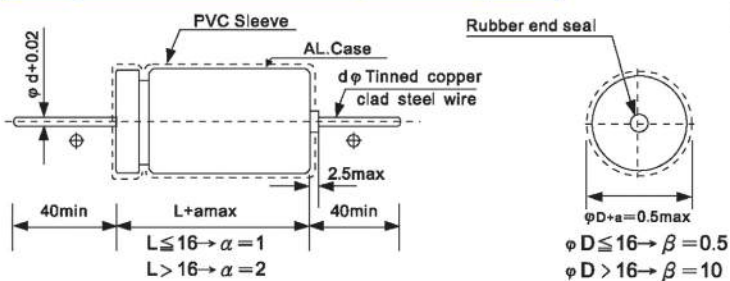
Features

- Used in communication equipments, switching power supply, etc.
- Safety vent construction design

Specifications

Item	Performance Characteristics																	
Operating Temperature Range	-40 to +85°C																	
Capacitance Tolerance	±20%(120Hz, +20°C)																	
Leakage Current(at 20°C)	Rated voltage	≤100V																
	Time	after 2 minutes																
	Leakage Current	I=0.02CV or 3(μA) Whichever is greater																
		>100V																
		after 5 minutes																
		CV≤1000 I=0.03CV + 15 (μA)																
		CV > 1000 I=0.02CV + 25 (μA)																
Where, C=rated capacitance in μF. V=rated DC working voltage in V																		
Dissipation Factor [Tanδ120Hz,20 °C]	Rated Voltage	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450																
	Tanδ(max)	0.23 0.20 0.17 0.15 0.12 0.10 0.10 0.10 0.20 0.20 0.20 0.20 0.24 0.24																
When the capacitance exceeds 1000μF, 0.02 shall be added every 1000μF increase																		
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																	
	Rated Voltage(v)		6.3	10	16	25	35	50	63	100	160	200	250	350	400	450		
	Impedance Ratio	Z (-25°C) / Z(+20°C)	φD<16	6	4	3	3	2	2	2	2	3	6	8	12	14	16	
			φD≥16	8	6	4	4	3	3	3	3							
	Z (-40°C) / Z(+20°C)	φD<16	10	8	6	6	4	3	3	3	4	5	10	-	-	-		
		φD≥16	18	16	12	10	8	8	6	6								
Load Life Test	Test Time	2000hrs																
	Capacitance Change	Within ±20% of initial value																
	Dissipation Factor	Less than 200% of specified value																
	Leakage Current	Within specified value																
*The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2000hrs at 85°C																		
Shelf Life Test	Test Time	1000hrs																
	Capacitance Change	Within ±20% of initial value																
	Dissipation Factor	Less than 200% of specified value																
	Leakage Current	Within specified value																
* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000hrs at 85°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements for 160~450V (Refer to JIS C5102).																		
Ripple Current & Frequency Multipliers	Cap. (μF)	Freq. (Hz)	60(50)	120	500	1K	10K UP											
			Under 100	0.70	1.00	1.30	1.40	1.50										
			100<C≤1000	0.75	1.00	1.20	1.30	1.35										
			1000up above	0.80	1.00	1.10	1.12	1.15										

Diagram of Dimensions: (Unit: mm)



Unit (mm)

Dφ	5	6	8	10	13
dφ	0.6	0.6	0.6	0.6	0.6

Dφ	16	18	20	22	25
dφ	0.8	0.8	0.8	0.8	0.8



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Case Size

φD x L (mm)

W.V. {S.V.} μF	6.3 {8}		10 {13}		16 {20}		25 {32}		35 {44}	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10	-	-	-	-	-	-	5x12	40	5x12	55
22	-	-	-	-	5x12	58	5x12	63	6x12	70
33	-	-	5x12	78	5x12	80	5x12	92	6x14	115
47	5x12	87	5x12	94	6x12	100	6x12	112	6x14	138
100	6x12	121	6x12	145	6x14	160	8x13	215	8x16	232
220	6x14	215	8x13	231	8x13	298	8x16	319	10x17	401
330	8x16	305	8x16	327	8x16	365	10x17	454	10x21	514
470	8x16	364	8x16	390	10x21	460	10x21	524	13x22	613
1000	10x17	662	10x17	671	13x24	775	13x22	873	13x27	955
2200	13x22	929	13x22	1051	16x28	1125	16x28	1344	16x33	1421
3300	13x27	1150	13x27	1288	16x33	1454	16x33	1611	18x36	1640
4700	13x27	1354	16x28	1552	18x36	1650	18x36	1881	22x43	2280
6800	16x28	1763	16x33	1930	18x42	2040	18x42	2170	22x43	2470
10000	16x36	2062	16x46	2122	22x43	2503	22x43	2893	25x52	3180
22000	22x43	3097	-	-	-	-	-	-	-	-

•Ripple Current (mA, rms) at 85°C 120Hz

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Case Size

φD x L (mm)

W.V. {S.V.}	50 {63}		63 {79}		100 {125}		160 {200}		200 {250}	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	5x12	1.5	5x12	3	5x12	3	-	-	-	-
0.22	5x12	3.5	5x12	4.5	5x12	5	-	-	-	-
0.33	5x12	5	5x12	7.5	5x12	8	-	-	-	-
0.47	5x12	6	5x12	9	5x12	9	-	-	-	-
1	5x12	10	5x12	15	5x12	15	6x12	7	6x12	9
2.2	5x12	20	5x12	30	5x12	30	6x14	15	8x13	16
3.3	5x12	30	5x12	36	5x12	41	8x13	21	8x16	26
4.7	5x12	42	5x12	44	6x12	40	8x16	31	10x17	33
10	5x12	50	6x12	55	6x14	72	10x17	60	10x21	66
22	6x12	85	6x14	109	8x16	133	10x21	121	13x22	121
33	6x14	126	8x13	154	10x17	190	13x22	154	13x27	167
47	8x13	174	10x17	214	10x21	237	13x27	198	16x33	214
100	10x17	296	10x21	336	13x22	377	16x33	345	16x36	368
220	10x21	459	13x22	527	16x28	625	18x42	586	22x43	609
330	13x22	613	13x22	675	16x33	793	22x43	632	-	-
470	13x22	731	16x33	780	16x37	942	-	-	-	-
1000	16x33	1111	18x36	1249	18x42	1359	-	-	-	-
2200	18x36	1699	22x43	1744	25x52	2430	-	-	-	-
3300	22x43	2027	25x52	2309	-	-	-	-	-	-
4700	22x43	2347	25x52	2710	-	-	-	-	-	-
6800	22x52	2650	25x52	2710	-	-	-	-	-	-
10000	25x52	2650	-	-	-	-	-	-	-	-

•Ripple Current (mA, rms) at 85°C 120Hz



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Case Size

φD x L (mm)

μF	W.V. {S.V.}	250 {300}		350 {400}		400 {450}		450 {500}	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1		6x14	12	8x16	13	8x16	14	8x16	15
2.2		8x16	17	8x20	19	10x17	21	10x21	23
3.3		8x20	31	8x20	33	10x17	34	10x21	36
4.7		10x17	38	10x21	44	13x22	45	13x22	46
10		10x21	72	13x22	72	13x22	80	13x27	82
22		13x27	126	13x27	132	16x33	137	16x36	143
33		16x28	178	16x33	186	16x36	192	16x40	201
47		16x33	241	16x40	253	18x42	330	18x42	339
100		16x40	391	22x43	402	25x43	424	25x52	448
220		22x43	632	-	-	-	-	-	-

•Ripple Current (mA, rms) at 85°C 120Hz

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