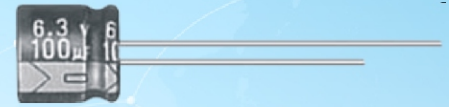


ALUMINUM ELECTROLYTIC CAPACITOR

CD268

FEATURES

- Load life of 2000 hours at +105°C
- Wide temperature range, small size, large capacity.

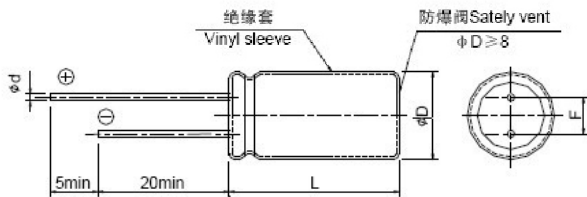


SPECIFICATIONS

Item	Characteristics																								
Operating temperature range(°C)	-40 ~ +105	-25 ~ +105																							
Rated voltage range(V)	6.3 ~ 100	160 ~ 450																							
Nominal capacitance range(µ F)	0.1 ~ 10000	0.47 ~ 220																							
Capacitance tolerance(%)	± 20(20°C, 120Hz)																								
Leakage current(µ A)	$I \leq 0.01C_R U_R$ or 3 (Whichever is greater)	$I \leq 0.02C_R U_R + 15$																							
Dissipation factor(tg δ)(20°C, 120Hz)	<table border="1"> <tr> <th>U_R (V)</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160 ~ 400</td> <td>450</td> </tr> <tr> <th>tg δ (max.)</th> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.08</td> <td>0.20</td> <td>0.25</td> </tr> </table>	U_R (V)	6.3	10	16	25	35	50	63	100	160 ~ 400	450	tg δ (max.)	0.25	0.20	0.17	0.15	0.12	0.10	0.10	0.08	0.20	0.25	0.02 is added to every 1000 µ F increase over 1000 µ F	
	U_R (V)	6.3	10	16	25	35	50	63	100	160 ~ 400	450														
tg δ (max.)	0.25	0.20	0.17	0.15	0.12	0.10	0.10	0.08	0.20	0.25															
Load life(+105°C)	time	2000 hours																							
	Capacitance change	Within ± 20% of the initial value																							
	Leakage current	≤ Not more than the Initial specified value																							
	Dissipation factor	≤ Not more than 200% of the Initial specified value																							
Shelf life(+105°C)	Time	1000 hours																							
	Capacitance change	Within ± 20% of the initial value																							
	Leakage current	≤ Not more than the Initial specified value																							
	Dissipation factor	≤ Not more than 200% of the Initial specified value																							

After test: UR to be applied for 30 minutes, 24 to 48 hours before measurement.

CASE SIZE TABLE



D	± 0.5			± 1.0				
	5	6.3	8	10	12.5	16	18	22
L+2.0	11	11	11.5	25,31.5,35.5	20,25	12.5,16,20	31.5,35.5,40	40
F±0.5	2	2.5	3.5	5		7.5		10
d±0.1	0.5		0.6			0.8		

TEMPERATURE COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

U_R (V) Coefficient	Temperature		
	+70	+85	+105
6.3 ~ 100	2.0	1.7	1
160 ~ 450	1.8	1.4	1

Nominal capacitance, rated voltage, rated ripple current and case size table

U_R (V)		6.3(0J)		10(1A)		16(1C)		25(1E)		35(1V)	
C_R (µ F)		φ D × L(mm)	I~ (mA)*	φ D × L(mm)	I~ (mA)	φ D × L(mm)	I~ (mA)	φ D × L(mm)	I~ (mA)	φ D × L(mm)	I~ (mA)
10	(100)					φ 5 × 11	20	φ 5 × 11	25	φ 5 × 11	25
22	(220)					φ 5 × 11	30	φ 5 × 11	35	φ 5 × 11	35
33	(300)					φ 5 × 11	40	φ 5 × 11	40	φ 5 × 11	50
47	(470)			φ 5 × 11	45	φ 5 × 11	50	φ 5 × 11	50	φ 6.3 × 11	65
100	(101)	φ 5 × 11	60	φ 5 × 11	80	φ 6.3 × 11	80	φ 6.3 × 11	90	φ 8 × 11.5	110
220	(221)	φ 6.3 × 11	100	φ 6.3 × 11	110	φ 8 × 11.5	140	φ 8 × 11.5	150	φ 10 × 12.5	190
330	(331)	φ 6.3 × 11	120	φ 8 × 11.5	160	φ 8 × 11.5	180	φ 10 × 12.5	220	φ 10 × 16	260
470	(471)	φ 8 × 11.5	170	φ 8 × 11.5	190	φ 10 × 12.5	250	φ 10 × 16	290	φ 10 × 20	350
1000	(102)	φ 10 × 12.5	300	φ 10 × 16	360	φ 10 × 20	440	φ 12.5 × 20	540	φ 12.5 × 25	620
2200	(222)	φ 12.5 × 20	580	φ 12.5 × 20	620	φ 12.5 × 25	700	φ 16 × 25	880	φ 16 × 31.5	1030
3300	(332)	φ 12.5 × 20	670	φ 12.5 × 25	800	φ 16 × 25	970	φ 16 × 31.5	1120	φ 18 × 35.5	1320
4700	(472)	φ 16 × 25	1000	φ 16 × 25	1050	φ 16 × 31.5	1240	φ 18 × 35.5	1440	φ 18 × 40	1540
6800	(682)	φ 16 × 25	1120	φ 16 × 31.5	1300	φ 18 × 35.5	1530	φ 18 × 40	1630	φ 22 × 40	1880
10000	(103)		1320	φ 18 × 35.5	1620	φ 18 × 40	1730	φ 22 × 40	2000		

U _R (V)		50(1H)		63(1J)		100(2A)		160(2C)		200(2D)	
C _R (μF)		φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)
0.1	(0R1)	φ5×11	3			φ5×11	3				
0.22	(R22)	φ5×11	4			φ5×11	4				
0.33	(R33)	φ5×11	5			φ5×11	5				
0.47	(R47)	φ5×11	6			φ5×11	6	φ5×11	8	φ6.3×11	6
1	(010)	φ5×11	9			φ5×11	9	φ5×11	12	φ6.3×11	9
2.2	(2R2)	φ5×11	11			φ5×11	15	φ6.3×11	15	φ6.3×11	15
3.3	(3R3)	φ5×11	15			φ5×11	18	φ8×11.5	20	φ8×11.5	20
4.7	(4R7)	φ5×11	18	φ5×11	20	φ5×11	20	φ8×11.5	25	φ10×12.5	30
10	(100)	φ5×11	25	φ5×11	30	φ6.3×11	35	φ10×12.5	40	φ10×16	45
22	(220)	φ5×11	40	φ6.3×11	50	φ8×11.5	65	φ10×20	70	φ10×20	70
33	(330)	φ6.3×11	60	φ6.3×11	60	φ10×12.5	95	φ12.5×20	110	φ12.5×25	110
47	(470)	φ6.3×11	70	φ8×11.5	90	φ10×16	120	φ12.5×25	140	φ12.5×25	140
100	(101)	φ8×11.5	120	φ10×12.5	150	φ12.5×20	220	φ16×25	240	φ16×31.5	250
220	(221)	φ10×16	240	φ10×20	270	φ16×25	420	φ18×35.5	430		
330	(331)	φ10×20	320	φ12.5×20	380	φ16×25	510				
470	(471)	φ12.5×20	430	φ12.5×25	500	φ16×31.5	680				
1000	(102)	φ16×25	790	φ16×31.5	900	φ18×40	1230				
2200	(222)	φ18×35.5	1230	φ18×40	1310						
3300	(332)	φ18×40	1400	φ22×40	1730						
4700	(472)	φ22×40	1780								

U _R (V)		250(2E)		350(2V)		400(2G)		450(2W)	
C _R (μF)		φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)	φD×L(mm)	I~(mA)
0.47	(R47)	φ6.3×11	6						
1	(010)	φ6.3×11	9	φ8×11.5	12	φ10×16	15	φ10×20	18
2.2	(2R2)	φ8×11.5	15	φ10×12.5	18	φ10×16	20	φ10×20	29
3.3	(3R3)	φ10×12.5	20	φ10×16	23	φ10×16	25	φ10×20	41
4.7	(4R7)	φ10×12.5	30	φ10×16	35	φ12.5×20	40	φ12.5×20	49
10	(100)	φ10×20	45	φ12.5×20	50	φ12.5×20	70	φ12.5×25	75
22	(220)	φ12.5×25	80	φ12.5×25	80	φ16×31.5	100	φ16×35.5	115
33	(330)	φ12.5×25	100	φ16×31.5	140	φ18×35.5	180	φ18×40	145
47	(470)	φ16×25	140	φ18×35.5	360				
100	(101)	φ18×35.5	260						

I~ Rated ripple current (+105°C, 100Hz or 120Hz)