

REU SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

Height 5mm, High Temperature

Features

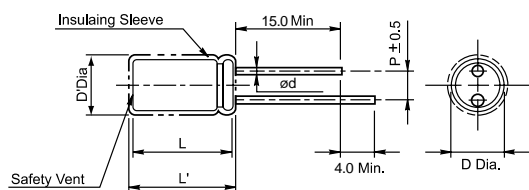
- Lengths are all 5mm, Radial
- Wide temperature range
- For automatic insertion
- Load life of 1000 hours at 105°C



Specifications

Item	Performance Characteristics							
Operating temperature range	-40°C ~ +105°C							
Rated working voltage range	4.0 ~ 50V							
Nominal capacitance range	0.1μF ~ 100μF, ±20% (at 20°C, 120Hz)							
D.C Leakage current (at 20°C)	The following specifications shall be satisfied when the rated voltage is applied for the required time. $l \leq 0.01CV$ or $3\mu A$ (2 min), Whichever is greater Where l =Leakage current (μA) C =Nominal capacitance (μF) V =Rated voltage (V)							
Tan δ (max., at 20°C, 120Hz)	W.V (V)	4.0	6.3	10	16	25	35	50
	Tan δ	0.35	0.26	0.22	0.19	0.15	0.13	0.10
Characteristics at low temperature (max.) (impedance ration at 120Hz)	W.V (V)	4.0	6.3	10	16	25	35	50
	Z-25°C/Z20°C	6	4	4	3	2	2	2
	Z-40°C/Z20°C	12	9	7	5	3	3	3
Load life	After applying rated working voltage for 1000 hours at +105°C and then being stabilized at +20°C, capacitors shall meet following limits.							
	Capacitance change	Within ± 25% of initial measured value						
	Tan δ	≤ 200% of initial specified value						
Shelf life	After storage for 1000 hours at +105°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.							
	Capacitance change	Within ± 25% of initial measured value						
	Tan δ	≤ 200% of initial specified value						
	Leakage current	≤ 200% of initial specified value						

Case sizes and Dimensions



Standard lead style

øD	4.0	5.0	6.3
P	1.5	2.0	2.5
ød			

D' = [D + 0.5] Max.

L' = [L + 1.0] Max.

Dimensions & Maximum permissible ripple current [mA(rms) at 105°C, 120Hz]

W.V Cap(μF)	øD x L (mm)							
	4.0(0G)	6.3(0J)	10(1A)	16(1C)	25(1E)	35(1V)	50(1H)	
0.1							4 x 5	2.0
0.15							4 x 5	2.4
0.22							4 x 5	3.2
0.33							4 x 5	3.7
0.47							4 x 5	4.8
0.68							4 x 5	5.0
1.0							4 x 5	6.7
1.5							4 x 5	8.9
2.2							4 x 5	10
3.3						4 x 5	10	4 x 5 14
4.7					4 x 5 16	4 x 5 15	5 x 5 18	5 x 5 18
6.8			4 x 5 12	4 x 5 14	4 x 5 18	5 x 5 21	5 x 5 24	5 x 5 24
10		4 x 5 15	4 x 5 16	4 x 5 17	5 x 5 23	5 x 5 26	6.3 x 5 31	6.3 x 5 31
15	4 x 5 16	4 x 5 19	4 x 5 22	5 x 5 25	5 x 5 30	6.3 x 5 36	6.3 x 5 38	6.3 x 5 38
22	4 x 5 21	4 x 5 22	5 x 5 28	5 x 5 32	6.3 x 5 36	6.3 x 5 44		
33	4 x 5 27	4 x 5 30	5 x 5 33	6.3 x 5 38	6.3 x 5 45			
47	4 x 5 33	5 x 5 38	6.3 x 5 45	6.3 x 5 50				
68	5 x 5 42	6.3 x 5 50	6.3 x 5 55					
100	5 x 5 52	6.3 x 5 62						