

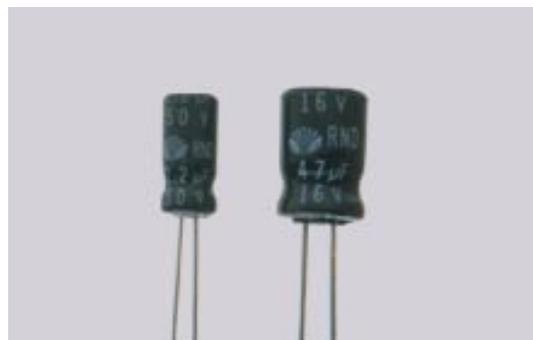
RND SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

Bi-Polar Standard, Radial Leads

Features

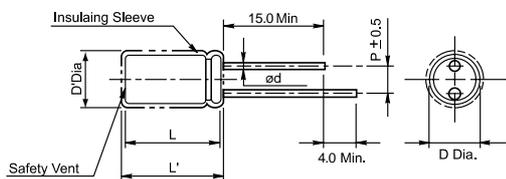
- Bi-polar (Radial)
- Ideal for inconsistent polarity circuits
- For the compaction of equipment
- load life of 1000 hours at 85°C



Specifications

Item	Performance Characteristics				
Operating temperature range	-40°C ~ +85°C				
Rated working voltage range	10V ~ 50V				
Nominal capacitance range	0.47μF ~ 1000μF, ±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. $I \leq 0.03CV + 3\mu A (3 \text{ min})$ Where I=Leakage current (μA) C=Nominal capacitance (μF) V=Rated voltage (V)				
Tan δ (max., at 20°C, 120Hz)	W.V (V)	10	16	25	50
	δ				
Characteristics at low temperature (max.) (impedance ratio at 120Hz)	W.V (V)	10	16	25	50
	Z-25°C/Z20°C	3	2	2	2
Load life	After applying rated working voltage for 1000 hours at +85°C with the polarity inverted every 250 hours and then being stabilized at +20°C, capacitors shall meet following limits. δ				
	Capacitance change	Within ± 20% of initial measured value			
Shelf life	Tan	≤ 150% of initial specified value			
	Leakage current	≤ Initial specified value			
	After storage for 500 hours at +85°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.				
	Capacitance change	Within ± 20% of initial measured value			

Case sizes and Dimensions



Standard lead style

øD	5.0	6.3	8.0	10.0	13.0	16.0
p	2.0	2.5	3.5	5.0		7.5
ød	0.5		0.6			0.8

D' = [D + 0.5] Max. L' = [L + 1.0] Max. at D ≤ 8.0

L' = [L + 1.5] Max. at D ≥

10.0

Dimensions & Maximum permissible ripple current [mA(rms) at 85°C, 120Hz]

øD x L (mm)

W.V Cap(μF)	10(1A)		16(1C)		25(1E)		50(1H)	
	SIZE	I _r						
0.47							5 x 11	10
1.0							5 x 11	16
2.2							5 x 11	26
3.3							5 x 11	33
4.7					5 x 11	27	6.3 x 11	42
10					5 x 11	50	8 x	70
22	5 x 11	62	6.3 x 11	75	6.3 x 11	90	11.5	120
33	6.3 x 11	82	6.3 x 11	100	8 x	115	10 x	160
47	6.3 x 11	105	8 x	125	11.5	150	12.5	200
100	8 x	165	11.5	200	10 x	260	10 x 16	340
220	11.5	270	10 x	340	12.5	420	10 x 20	
330	10 x 16	340	12.5	430	10 x 16		13 x 20	
470	10 x 20	440	10 x 20	550	13 x 20			
1000	13 x 20	700	13 x 20	900				