

RLT SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

Normal Timing Circuit, Radial Leads

Features

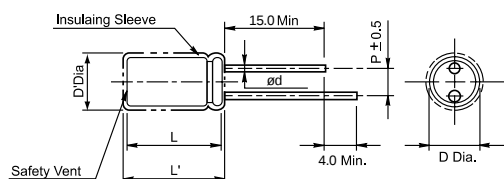
- For timing circuit, Radial
- Narrow capacitance tolerance($\pm 10\%$)
- Very low leakage current(0.001 CV)
- Excellent shelf life
- Load life of 2000 hours at 85°C



Specifications

Item	Performance Characteristics					
Operating temperature range	-40℃ ~ +85℃					
Rated working voltage range	10V ~ 50V					
Nominal capacitance range	1μF ~ 2200μF, ±10%(at 20℃, 120Hz)					
D.C Leakage current(at 20℃)	The following specifications shall be satisfied when the rated voltage is applied for the required time. I ≤ 0.001CV or 1μA(2 min), whichever is greater Where I=Leakage current (μA) C=Nominal capacitance (μF) V=Rated voltage (V)					
Tanδ(max., at 20℃, 120Hz)	W.V(V)	10	16	25	35	50
	Tanδ	0.17	0.13	0.10	0.10	0.08
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	10	16	25	35	50
	Z-25℃/Z20℃	3	3	3	2	2
Load life	After applying rated working voltage for 2000 hours at +85℃ and then being stabilized at +20℃ , capacitors shall meet following limits.					
	Capacitance change		Within ±10% of initial measured value			
	Tanδ		≤ 150% of initial specified value			
	Leakage current		≤ Initial specified value			
Shelf life	After storage for 1000 hours at +85℃ with no voltage applied and then being stabilized at +20℃, capacitors shall meet following limits.					
	Capacitance change		Within ±10% of initial measured value			
	Tanδ		≤ 150% of initial specified value			
	Leakage current		≤ 200% of initial specified value			

Case sizes and Dimensions



Standard lead style

øD	6.3	8.0	10.0	13.0	16.0	18.0
p	2.5	3.5	5.0	7.5		
ød						

D' = [D+0.5] Max. L' = [L+1.0] Max. at D $\leq$ 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	10		16		25		35		50	
Cap(µF)	SIZE	I _r	SIZE	I _r	SIZE	I _r	SIZE	I _r	SIZE	I _r
1.0									6.3x1	17
2.2									1	27
3.3									6.3x1	44
4.7							6.3x1	45	1	50
10					6.3x1	60	1	80	6.3x1	10
22					1	120	8x11.5	135	1	0
33			8x11.5	150	8x11.5	155	10x12.	160	8x11.5	17
47	8x11.5	175	10x12.	190	10x12.	210	5	220	10x12.	0
100	10x16	290	5	330	5	340	10x1	360	5	21
220	10x20	480	10x2	545	10x1	550	6	600	10x1	0
330	13x20	580	0	630	6	680	10x2	760	6	32
470	13x25	780	13x2	700	13x2	850	0	900	10x2	0
1000	16x31.	110	0	115	0	125	13x2		0	47
2200	5	0	13x2	0	13x2	0	0		13x2	0