

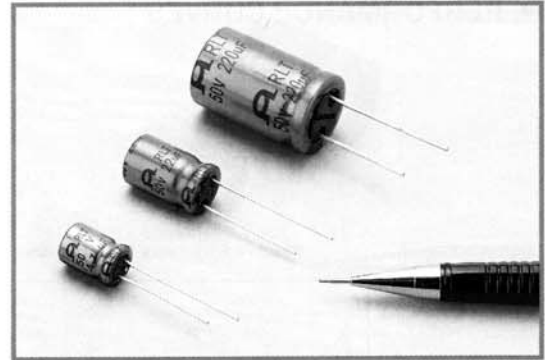


RLT SERIES

Normal Timing Circuit, Radial Leads

Features

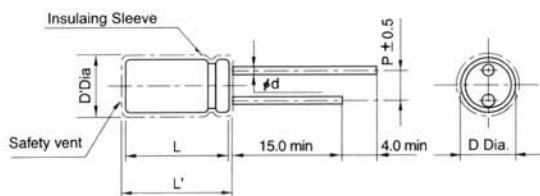
- For timing circuit, Radial
- Narrow capacitance tolerance($\pm 10\%$)
- Very low leakage current(0.001 CV)
- Excellent shelf life
- Load life of 2000 hours at 85°C



Specifications

Item	Performance Characteristics					
Operating temperature range	-40°C ~ +85°C					
Rated working voltage range	10V ~ 50V					
Nominal capacitance range	1 μ F ~ 2200 μ F, $\pm 10\%$ (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. $I \leq 0.001CV$ or 1μ A (2 min), Whichever is greater Where I =Leakage current(μ A) C=Nominal capacitance(μ F) V=Rated voltage(V)					
Tan δ (max., at 20°C, 120Hz)	W.V(V)	10	16	25	35	50
	Tan δ	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°C/Z20°C	3	3	3	2	2
	Z-40°C/Z20°C	6	6	6	4	4
Load life	After applying rated working voltage for 2000 hours at +85°C and then being stabilized at +20°C, capacitors shall meet following limits.					
	Capacitance change	Within $\pm 10\%$ of the initial measured value				
	Tan δ	$\leq 150\%$ of the initial specified value				
	Leakage current	\leq The initial specified value				
Shelf life	After storage for 1000 hours at +85°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.					
	Capacitance change	Within $\pm 10\%$ of the initial measured value				
	Tan δ	$\leq 150\%$ of the initial specified value				
	Leakage current	$\leq 200\%$ of the initial specified value				

Dimensions



Standard lead style

ϕ D	6.3	8.0	10.0	12.5	16.0	18.0
p	2.5	3.5	5.0		7.5	
ϕ d	0.5	0.6		0.8		

$D' = [D+0.5]$ Max.

$L' = [L+1.0]$ Max. at $D \leq 8.0$

$L' = [L+1.5]$ Max. at $D \geq 10.0$



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▣ Dimensions & Maximum permissible ripple current

 $\phi D \times L(\text{mm})$

Cap(μF)	W.V(V)	10(1A)		16(1C)		25(1E)		35(1V)		50(1H)	
		SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R
1.0										6.3x11	17
2.2										6.3x11	27
3.3										6.3x11	44
4.7								6.3x11	45	8x11.5	50
10						6.3x11	60	8x11.5	80	10x12.5	100
22						8x11.5	120	10x12.5	135	10x16	170
33				8x11.5	150	10x12.5	155	10x16	160	10x20	210
47		8x11.5	175	10x12.5	190	10x16	210	10x20	220	12.5x20	320
100		10x16	290	10x20	330	12.5x20	340	12.5x20	360	12.5x25	470
220		10x20	480	12.5x20	545	12.5x25	550	16x25	600	16x31.5	750
330		12.5x20	580	12.5x25	630	16x25	680	16x35.5	760	18x31.5	800
470		12.5x25	780	16x25	700	16x31.5	850	18x40	900		
1000		16x31.5	1100	16x35.5	1150	18x40	1250				
2200		18x40	1250								

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