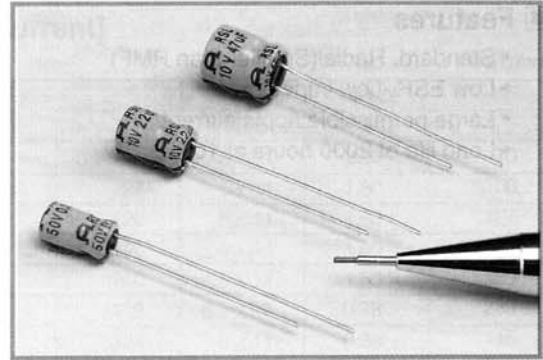


# RSL SERIES

## Low Leakage, Subminiature, Radial Leads

### Features

- Subminiature Low leakage current, Radial
- Lengths are all 7mm
- Ideal for tantalum capacitor replacement
- Load life of 1000 hours at 85°C

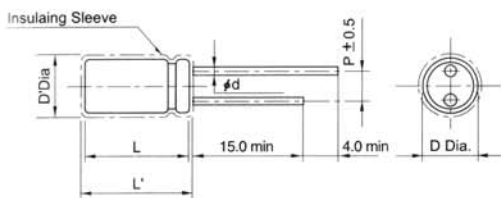


### Specifications

Item	Performance Characteristics							
Operating temperature range	-40°C ~ +85°C							
Rated working voltage range	6.3V ~ 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. $I \leq 0.002CV$ or $0.4\mu A$ (2 min), whichever is greater Where I =Leakage current(μA)    C=Nominal capacitance(μF)    V=Rated voltage(V)							
Tan δ (max., at 20°C, 120Hz)	W.V(V)	6.3	10	16	25	35	50	
	Tan δ	0.24	0.20	0.17	0.15	0.12	0.10	
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10	16	25	35	50	
	Z-25°C/Z20°C	4	3	2	2	2	2	
	Z-40°C/Z20°C	8	6	4	4	4	4	
Load life	After applying rated working voltage for 1000 hours at +85°C and then being stabilized at +20°C, capacitors shall meet following limits.							
	Capacitance change	Within ± 25% of the initial measured value						
	Tan δ	≤ 150% of the initial specified value						
	Leakage current	≤ 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 ± 20% of the initial measured value						
	Tan δ	≤ 150% of the initial specified value						
	Leakage current	≤ 200% of the initial specified value						

Low LC

### Dimensions



• Standard lead style

φD	4.0	5.0	6.3
P	1.5	2.0	2.5
φd	0.45		

D' = [D+0.5]Max.

L' = [L+1.0]Max.

### Dimensions & Maximum permissible ripple current

W.V(V)	φD x L(mm)													
	6.3(0J)		10(1A)		16(1C)		25(1E)		35(1V)		50(1H)			
	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>	SIZE	I <sub>r</sub>
0.1													4x7	2
0.22													4x7	4
0.33													4x7	6
0.47													4x7	8
1.0													4x7	11
2.2													4x7	20
3.3													4x7	27
4.7							4x7	25	4x7	27	5x7	35		
6.8					4x7	30	5x7	30	5x7	35	6.3x7	40		
10					4x7	40	5x7	47	5x7	47	6.3x7	52		
22	4x7	37	5x7	46	5x7	47	6.3x7	62	6.3x7	62				
33	5x7	52	5x7	55	6.3x7	72	6.3x7	92						
47	5x7	65	6.3x7	82	6.3x7	82								
100	6.3x7	92												

I<sub>r</sub>: Maximum permissible ripple current[mA(rms) at 85°C, 120Hz]