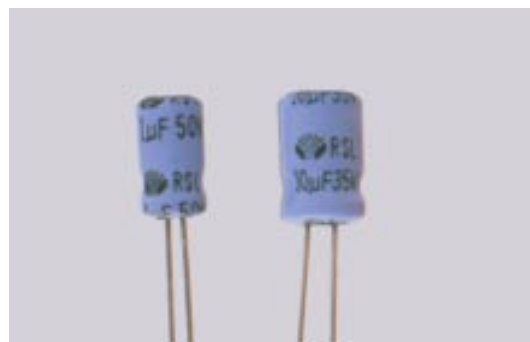


RSL SERIES

ALUMINUM ELECTROLYTIC CAPACITORS Low Leakage, Subminiature, Radial Leads

Features

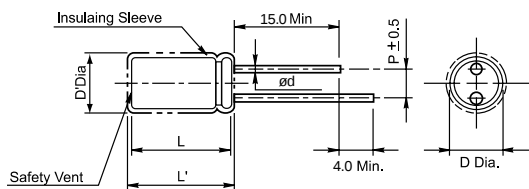
- Subminiature Low leakage current, Radial
- Lengths are all 7mm
- Ideal for tantalum capacitor replacement
- Load life of 1000 hours at 85°C



Specifications

Item	Performance Characteristics						
Operating temperature range	-40℃ ~ +85℃						
Rated working voltage range	6.3V ~ 50V						
Nominal capacitance range	0.1μF ~ 100μF, ±20%(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. $l \leq 0.002CV$ or $0.4\mu A$ (2 min), whichever is greater Where l=Leakage current (μA) C=Nominal capacitance (μF) V=Rated voltage (V)						
Tan δ(max., at 20℃, 120Hz)	W.V (V)	6.3	10	16	25	35	50
	Tanδ	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℃/Z20℃	4	3	2	2	2	2
	Z-40℃/Z20℃	8	6	4	4	4	4
Load life	After applying rated working voltage for 1000 hours at +85℃ and then being stabilized at +20℃, capacitors shall meet following limits.						
	Capacitance change			Within ±25% 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 ±20% 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	4.0	5.0	6.3
P	1.5	2.0	2.5
ød	0.45		

D' = [D + 0.5] Max.

L' = [L + 1.0] Max.

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

øD × L (mm)

W.V Cap(μF)	6.3		10		16		25		35		50	
	SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R
0.1											4x7	2
0.22											4x7	4
0.33											4x7	6
0.47											4x7	8
1.0											4x7	11
2.2											4x4	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										