

RT SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

TV Vertical O.S.C Circuit, Radial Leads

Features

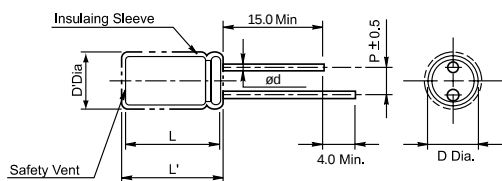
- Wide operating temperature range, Radial (-55°C ~ +105°C)
- Close capacitance tolerance.
- Excellent low temperature characteristics.
- For TV vertical circuit, O.S.C circuit, timing circuit etc.
- load life of 1000 hours at 105°C



Specifications

Item	Performance Characteristics		
Operating temperature range	-55°C ~ +105°C		
Rated working voltage range	16V ~ 50V		
Nominal capacitance range	0.47μF ~ 470μF, ±20% or ±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≤ 0.002CV+1μA(1 min) Where I=Leakage current (μA) C=Nominal capacitance(μF) V=Rated voltage (V)		
Tanδ(max., at 20°C, 120Hz)	0.08 Max.		
Characteristics at low and high temperature	• Impedance ratio(at 120Hz):2 Max. (Z-55°C/Z20°C)		
	• Temperature characteristic(at 120Hz)		
	Temp.	Capacitance change	Tanδ
	-40°C	20°C	0.3Max.
Load life	+85°C	-20% Max.	0.08Max.
	After applying rated working voltage for 1000 hours at +105°C and then being stabilized at +20°C, capacitors shall meet following limits.		
	Capacitance change	Within ±15% of initial measured value	
	Tanδ	≤ 150% of initial specified value	
Shelf life	Leakage current	≤ Initial specified value	
	After storage for 1000 hours at +105°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	
	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
p	2.5	3.5	5.0		
Ød					

D' = [D+0.5] Max.

L' = [L+1.0] Max. at D ≤ 8.0

L' = [L+1.5] Max. at D ≥ 10.0

10.0

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

ØD × L (mm)

Cap(μF)	W.V(V)		16		25		50	
	SIZE	I _R	SIZE	I _R	SIZE	I _R	SIZE	I _R
0.47							6.3×11	9
1.0							6.3×11	16
2.2							6.3×11	21
3.3					6.3×11	22	6.3×11	30
4.7					6.3×11	35	8×11.5	35
10	8×11.5	45	10×12.5	61	10×16	61		
22	10×16	80	10×16	10	10×20	12		
33	10×16	115	10×20	5	13×20	0		
47	10×20	145	13×20	14	13×25	15		
100	13×20	250	13×25	0	16×25	5		
220	13×25	400	16×25	17	16×35.5	21		
330	16×25	480	16×31.5	5				
470	16×35.5	725		29				

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PERFORMANCE CURVES

———— 50V-47 μ F
----- 16V-470 μ F

