

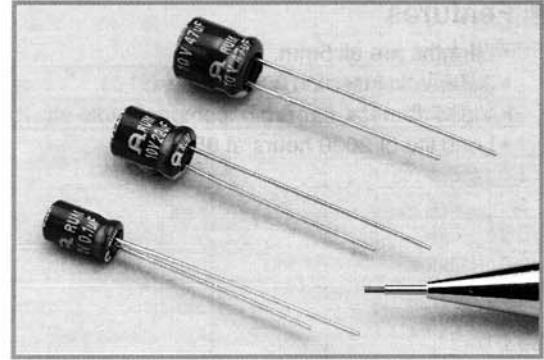


RUM SERIES

7mm Height, 105°C Standard, Radial Leads

Features

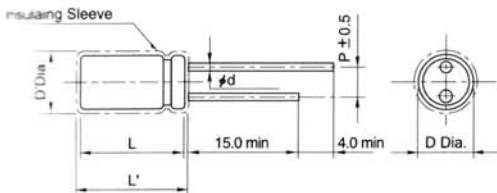
- Lengths are all 7mm, Radial
- Wide temperature range
- Miniature, High reliability
- Car radio, VTR, video camera etc.
- load life of 1000 hours at 105°C



Specifications

Item	Performance Characteristics						
Operating temperature range	-40°C ~ +105°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 ≤ 0.01CV or 3μA (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	3	3
Load life	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 ± 25% of the initial measured value(6.3V~16V)					
		Within ± 20% of the initial measured value(25V~)					
	Tan δ	≤ 200% of the initial specified value					
Leakage current	≤ The initial specified value						
Shelf life	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 ± 25% of the initial measured value(6.3V~16V)					
		Within ± 20% of the initial measured value(25V~)					
	Tan δ	≤ 200% of the initial specified value					
Leakage current	≤ 200% of the initial specified value						

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) Cap(μF)	φ D x L (mm)											
	6.3(0J)		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	SIZE	I _r
0.1											4x7	2
0.22											4x7	3
0.33											4x7	5
0.47											4x7	6
1.0											4x7	10
2.2											4x7	15
3.3											4x7	20
4.7							4x7	20	4x7	25	5x7	25
6.8					4x7	25	4x7	30	5x7	35	6.3x7	30
10					4x7	35	5x7	40	5x7	45	6.3x7	40
22	4x7	35	5x7	40	5x7	45	6.3x7	55	6.3x7	60	6.3x7	50
33	5x7	45	5x7	50	6.3x7	65	6.3x7	70				
47	5x7	60	6.3x7	75	6.3x7	80						
100	6.3x7	90										

I_r : Maximum permissible ripple current [mA(rms)] at 105°C, 120Hz]

General