

Features and Applications

1. Metal cased. Hermetically sealed. Axial lead. Tubular. Non-polar Capacitors.
2. Excellent and stable electricity performance. High reliability. Low dissipation factor and DC leakage current. Long life. Equal to Kemet type T111.
3. Suitable for turned low frequency circuits, phasing low voltage AC motor, servo systems and other applications where reversal polarity is a primary consideration.

Performance and Characteristics

Operating Temperature: -55°C to $+85^{\circ}\text{C}$. (To $+125^{\circ}\text{C}$ with voltage derating.)

Rated Voltage, Derating Voltage: See table 2.

Capacitance Tolerance: At 100Hz, $+25^{\circ}\text{C}$, $\pm 10\%$; $\pm 20\%$ standard. $\pm 5\%$, special order.

DC Leakage Current at 25°C : $\text{DCL}_{\text{Max}} \leq 0.02C_R U_R$ (μA) or $1\mu\text{A}$ (Whichever is greater) .

Dissipation Factor (D.F): At 100Hz, $+25^{\circ}\text{C}$. D.F won't exceed the values in table 1.

Temperature Performance: No more than maximum limits in table 1.

Dimensions and Weight(Max.): See Outline drawings and table 1.

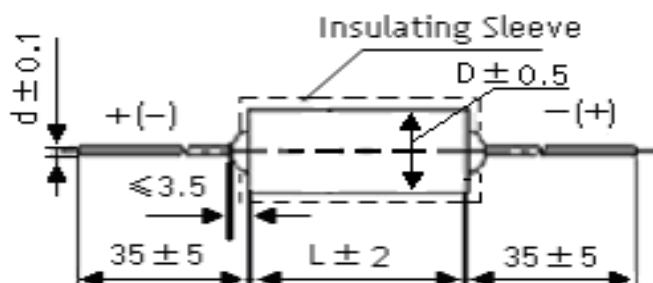


Table 1 Temperature Performance

Capacitance μF	Capacitance Change %			Maximum				DCL μA	
	-55°C	85°C	125°C	D.F.(%)				85°C	125°C
				-55°C	25°C	85°C	125°C		
≤ 0.47	± 8	± 8	± 10	3	3	3		$8I_0$	$10I_0$
0.68~33				5	5	5			
47~150				6	6	6			
220~470				8	8	8			

Remarks: 1) Test Voltage: $U = 2.2^{+0.1}_0 V$; $U \sim 1.0^{+0.5}_0 V$ (RMS). Test frequency: 100Hz..

2) To 125°C with voltage derating.



Table 2 Rating Voltage, Derating Voltage, Case Size and Weight(Max.)

Rating Voltage(U_R) V				6.3	10	16	25	32	40	63
Derating Voltage(U_C) V				4	6.3	10	16	20	25	40
D×L(mm)			Weight (Max.) g	Nominal Capacitance(C_R) μ F						
D	L	d								
3.2	13	0.4	1.5	0.47	0.33	0.15	0.15	0.1	0.1	0.1
				0.68	0.47	0.22	0.22	0.15	0.15	0.15
				1	0.68	0.33	0.33	0.22	0.22	0.22
				1.5	1	0.47	0.47	0.33	0.33	
				2.2	1.5	0.68	0.68	0.47	0.47	
				3.3	2.2	1	1	0.68		
				4.7	3.3	1.5				
4.5	22	0.6	4.5	6.8	4.7	2.2	1.5	1	0.68	0.33
				10	6.8	3.3	2.2	1.5	1	0.47
				15	10	4.7	3.3	2.2	1.5	0.68
				22	15	6.8	4.7	3.3	2.2	1
				33	22	10	6.8	4.7	3.3	1.5
6	28	0.6	6	47	33	22	10	6.8	4.7	2.2
					47	33	15	6.8	6.8	
8	28	0.8	8	68	68	47	22	10	10	3.3
				100			33	15	15	4.7
8	44	0.8	15	150	100	68	47	22	22	6.8
				220	150	100		33		10
10	44	0.8	32	330	220	150	68	47	33	15
				470	330	220	100	68	47	22

Remarks: With insulating sleeves, D(Max.) will be increased 0.3mm, L(Max.) will be increased 1mm.