Features and Applications

1. Metal cased. Hermetically sealed. Axial lead. Tubular. Polar Capacitors.
2. Excellent and stable electricity performance. High reliability. Low dissipation factor and DC leakage current. Long life. Small size. Equal to Vishay type 150D.
3. Suitable for high-request consumer electronic equipment such as communication equipment, instruments, etc.

Performance and Characteristics

Operating Temperature：-55℃ to +85℃.（To +125℃ with voltage derating.）
Rated Voltage, Derating Voltage: See table 2.
Capacitance Tolerance：At 100Hz,+25℃, ±10%; ±20% standard. ±5%, special order.
DC Leakage Current at 25℃：$DCL_{Max} \leqslant 0.01 C_R U_R$（μA）or 1μA（Whichever is greater）.
Dissipation Factor(D.F)：At 100Hz,+25℃. 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 2.

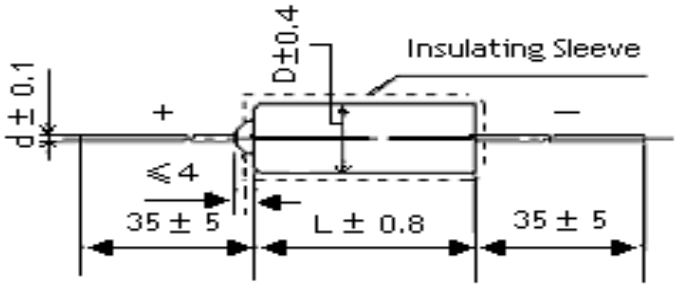

Table 1 Temperature Performance

Capacitance μF	Capacitance Change %			Maximum					
				D.F(%)				DCL(μA)	
	-55℃	85℃	125℃	25℃	-55℃	85℃	125℃	85℃	125℃
≤1	±8	±8	±10	3	3			$8I_0$	$10I_0$
1.2～82				5	5				
100～330				6	6				
390～470				8	8				

Remarks：1）Test Voltage：$U_{-}=2.2^{0}_{-1.0}V$；$U_{\sim}=1.0^{0}_{-0.5}V$ (RMS). Test frequency：100Hz.
2）To 125℃ with voltage derating.

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

Rating Voltage(U_R) V				6	10	15	20	35	50	75	100
Derating Voltage(U_C) V				4	7	10	13	23	33	50	67
D×L mm			Weight (Max.) g	Nominal Capacitance（C_R） μF							
D	L	d									
3.2	6.5	0.5	0.7	5.6 6.8	3.9 4.7	2.7 3.3	1.2 1.5 1.8 2.2	0.1 0.12 0.15 0.18 0.22 0.27 0.33 0.39 0.47 0.56 0.68 0.82 1.0	0.047 0.056 0.068 0.082 0.10 0.12 0.15 0.18 0.22 0.27 0.33 0.39 0.47 0.56 0.68 0.82 1.0	0.10 0.12 0.15 0.18 0.22 0.27 0.33 0.39 0.47 0.56 0.68	0.047 0.056 0.068 0.082 0.10 0.12 0.15 0.18 0.22 0.27 0.33 0.39 0.47 0.56
4.5	11	0.5	2.3	47 56	27 33 39	18 22	8.2 10 12 15	1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8	1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7	0.82 1.0 1.2 1.5 1.8 2.2 2.7 3.3 3.9	0.68 0.82 1.0 1.2 1.5 1.8 2.2 2.7
7.0	16.5	0.65	6.5	150 180	82 100 120	56 68	27 33 39 47	8.2 10 12 15 18 22	5.6 6.8 8.2 10 12 15 18		
8.6	19	0.65	11.0	270 330 390 470	150 180 220 270 330	82 100 120 150 180	56 68 82 100 120	27 33 39 47 56 68	22 27 33		

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