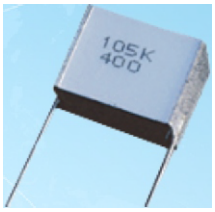
CL25

FEATURES

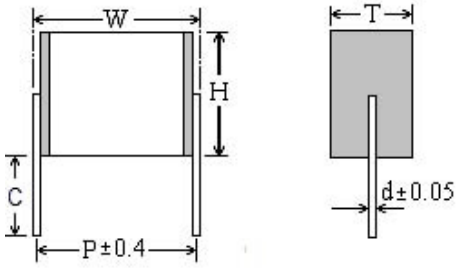
- metallized polyester film, stacked construction, Uncoated
- High impulse and pulse strength

TYPICAL APPLICATIONS

- DC impulse and pulse circuits
- SMPS, converter, Electronic ballasts, compact fluorescent lamps



OUTLINE DRAWING



SPECIFICATIONS

Reference Standard	GB/T 7332(IEC 60384–2)		
Climatic Category	55/125/56		
Rated temperature	85℃ for V_R(dc) 75℃ for V_R(ac)		
Operating Temperature	–55℃~125℃ (+85℃ to +125℃: decreasing factor 1.25% per ℃ for VR(dc)) (+75℃ to +125℃: decreasing factor 1.35% per ℃ for VR(ac))		
Rated Voltage	63V, 100V, 250V, 400V, 630V, 1 000V		
Capacitance Range	0.0010 μF~10.0 μF		
Capacitance Tolerance	1.40U_R(2s)		
Voltage Proof	± 5%(J), ± 10%(K), ± 20%(M)		
Dissipation Factor	≤0.0100 (1kHz)		
	≤0.0150 (10kHz, C_R≤1 μF)		
	≤0.0300 (100kHz, C_R≤0.1 μF)		
Insulation Resistance	U_R≤100V	≥3750MΩ, C≤0.33 μF ≥1250s， C > 0.33 μF	U_R < 100V, charge voltage is 10V U_R≥100V, charge voltage is 100V (20℃, 1 min)
	U_R > 100V	≥7500MΩ, C≤0.33 μF ≥2500s, C > 0.33 μF	

TEST METHOD AND PERFORMANCE

No.	Item	Performance	Test method(GB 7332(IEC 60384–2))
1	Solderability	Good quality of tinning	Solder temperature:245℃ ± 5℃ Immersion time: 2.0s ± 0.5s
2	Initial measurement	Capacitance, Tg δ	
	Terminal strength	There shall be no visible damage	Tension Ua1: Pull:Φd=0.5mm,5N □Φd≥0.6mm, 10N Bend Ub: The pull of bend:Φd=0.5mm, 2.5N □ Φd≥0.6mm, 5N The terminals shall be bent 2 times in each direction.
	Resistance to solder heat	There shall be no visible damage, legible marking	Solder temperature:260℃ ± 5℃ Immersion time: 10s ± 1s
	Final measurement	△C/C≤ ± 2%(relative to the initial value) Increase of tg δ : ≤0.003 (C≤1.0 μF) ≤0.002 (C>1.0 μF)	
3	Initial measurement	Capacitance, Tg δ	
	Rapid change of temperature	There shall be no evidence of deterioration.	θ_A=–55℃, θ_B=+125℃ 5 cycles Duration: t=30min
	Vibration	There shall be no evidence of deterioration.	Amplitude 0.75mm or acceleration 98m/s² (whichever is the smaller severity), f: 10Hz to 500Hz. Three directions, 2h for each direction, total 6h.
	Bump	There shall be no evidence of deterioration.	4000 times, Acceleration: 390m/s² , Pulse duration, 6ms