

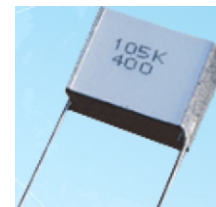
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FEATURES

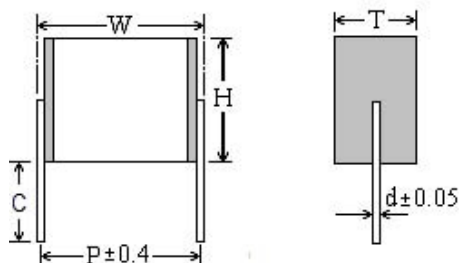
- metallized polyester film, stacked construction, Uncoated
- High impulse and pulse strength

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°C for V_R (dc) 75°C for V_R (ac)		
Operating Temperature	-55°C~125°C (+85°C to +125°C: decreasing factor 1.25% per °C for V_R (dc)) (+75°C to +125°C: decreasing factor 1.35% per °C for V_R (ac))		
Rated Voltage	63V, 100V, 250V, 400V, 630V, 1 000V		
Capacitance Range	0.0010 μ F~10.0 μ F		
Capacitance Tolerance	1.40 U_R (2s)		
Voltage Proof	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)		
Dissipation Factor	≤ 0.0100 (1kHz)		
	≤ 0.0150 (10kHz, $C_R \leq 1 \mu$ F)		
	≤ 0.0300 (100kHz, $C_R \leq 0.1 \mu$ F)		
Insulation Resistance	$U_R \leq 100V$	$\geq 3750M\Omega$, $C \leq 0.33 \mu$ F $\geq 1250s$, $C > 0.33 \mu$ F	$U_R < 100V$, charge voltage is 10V $U_R \geq 100V$, charge voltage is 100V (20°C, 1 min)
	$U_R > 100V$	$\geq 7500M\Omega$, $C \leq 0.33 \mu$ F $\geq 2500s$, $C > 0.33 \mu$ F	

TEST METHOD AND PERFORMANCE

No.	Item	Performance	Test method(GB 7332(IEC 60384-2))
1	Solderability	Good quality of tinning	Solder temperature: 245°C \pm 5°C Immersion time: 2.0s \pm 0.5s
2	Initial measurement	Capacitance, Tg δ	
	Terminal strength	There shall be no visible damage	Tension U_{a1} : Pull: $\Phi d=0.5mm, 5N$ $\square \Phi d \geq 0.6mm, 10N$ Bend U_b : The pull of bend: $\Phi d=0.5mm, 2.5N$ $\square \Phi d \geq 0.6mm, 5N$ 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°C \pm 5°C Immersion time: 10s \pm 1s
	Final measurement	$\Delta C/C \leq \pm 2\%$ (relative to the initial value) Increase of tg δ : ≤ 0.003 ($C \leq 1.0 \mu$ F) ≤ 0.002 ($C > 1.0 \mu$ F)	
3	Initial measurement	Capacitance, Tg δ	
	Rapid change of temperature	There shall be no evidence of deterioration.	$\theta_A = -55^\circ C$, $\theta_B = +125^\circ C$ 5 cycles Duration: t=30min
	Vibration	There shall be no evidence of deterioration.	Amplitude 0.75mm or acceleration 98m/s ² (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/s ² , Pulse duration, 6ms