



103PPB630K
HIGH DVDT/ PULSE
Parts are RoHS compliant

APPLICATIONS: SNUBBER, SCR commutation, TV deflection circuits

ELECTRICAL SPECIFICATIONS

Capacitance: 0.01 uF	Tolerance: -10 % , +10 %
Dissipation Factor: 0.0005 Max at 1000 Hz and 25°C , 0.0005 Max at 10 kHz and 25°C , 0.0016 Max at 100 kHz and 25°C	Temperature Range: -55°C to +105°C Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/2.25% ^o C
Temperature Coefficient: -200 PPM/ ^o C: -100 PPM/ ^o C, 100 PPM/ ^o C	WVDC: 630 Volts DC
Ripple Current: at and	SVDC: N/A Volts DC
ESR: - at - and -	VAC: 400 Volts AC
Self Inductance: 1 Nanohenries maximum per mm of pitch	
dvdt: 3300 V/ μ s	

Terminal to Terminal Dielectric strength: 1.6 times the rated DC voltage when applied between the terminals for 10 seconds **Terminal to case Dielectric strength:** 13.6 VAC when applied between the terminals and case for 60 seconds

Insulation Resistance (Terminal to Terminal): 100000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C **Insulation resistance (Terminal to Case):** N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Reliability: 1 FIT

Load Life: 2000 hours at 85°C with 125% of rated voltage

Capacitance Change: \leq 1% of initially measured value

D.F. Change: .001 of maximum specified value

I.R. Change: >50% of minimum specified value

PHYSICAL DIMENSIONS

Length (L): 18 mm, 0.45 mm

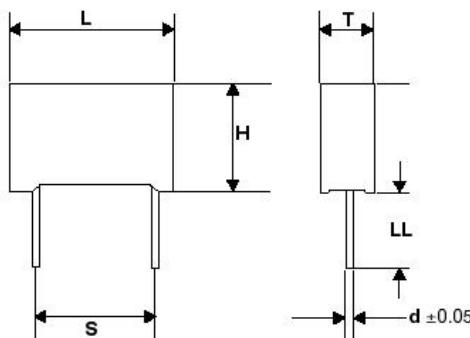
Lead Spacing (S): 15 mm, +/-0.4 mm

Height (H): 11 mm, +/-0.45 mm

Lead Diameter (d): 0.8 mm, +/-0.05 mm

Thickness (T): 5 mm, +/-0.3 mm

Lead Length (LL): 5.0mm, +/- 1 mm



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