



684PPB630K

HIGH DVDT/ PULSE
Parts are RoHS compliant

APPLICATIONS: SNUBBER, SCR commutation, TV deflection circuits

ELECTRICAL SPECIFICATIONS

Capacitance: 0.68 μ F

Dissipation Factor: 0.0004 Max at 1000 Hz and 25°C , 0.0006 Max at 10 kHz and 25°C

Temperature Coefficient: -200 PPM/°C, -100 PPM/°C, 100 PPM/°C

Ripple Current: at and

ESR: - at - and -

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvdt: 950 V/ μ s

Tolerance: -10 % , +10 %

Temperature Range: -55°C to +105°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/2.25%/°C

WVDC: 630 Volts DC

SVDC: N/A Volts DC

VAC: 400 Volts AC

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): 30000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

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

Insulation resistance (Terminal to Case): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

PHYSICAL DIMENSIONS

Length (L): 42.5 mm, 0.8 mm

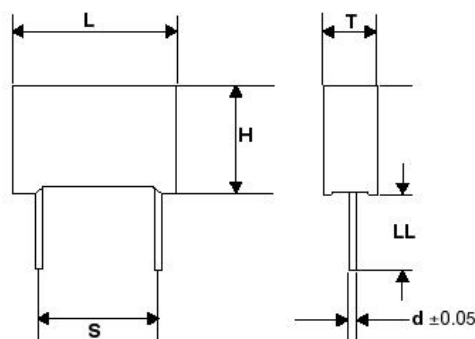
Height (H): 28 mm, +/-0.6 mm

Thickness (T): 17 mm, +/-0.45 mm

Lead Spacing (S): 37.5 mm, +/-0.4 mm

Lead Diameter (d): 1 mm, +/-0.05 mm

Lead Length (LL): 30.0mm, +/- 5 mm



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