



105PMB202KS

SNUBBER
Parts are RoHS compliant

APPLICATIONS: Snubber, IGBT & Power semiconductor direct mount

ELECTRICAL SPECIFICATIONS

Capacitance: 1 μ F
Dissipation Factor: 0.0005 Max at 1000 Hz and 25°C
Temperature Coefficient: -200 PPM/°C: -100 PPM/°C, 100 PPM/°C
Ripple Current: 28 A at 100 kHz and 70°C
ESR: 2.8 milliOhms (typical) at 100 kHz and 25°C
Self Inductance: 1 Nanohenries maximum per mm of pitch
dvdt: 930 V/ μ s

Tolerance: -10 % , +10 %
Temperature Range: -40°C to +100°C
Above 85°C the rated (DC/AC) voltage must be derated at per 1.5%/2.5%°C
WVDC: 2000 Volts DC
SVDC: 2600 Volts DC
VAC: 700 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: 3000 VAC when applied between the terminals and case for 60 seconds

Insulation Resistance (Terminal to Terminal): 3000 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: 300 failures/billion component hours

Load Life: 100000/30000 hours at 70°C with 100% of rated voltage

Capacitance Change: \leq 3% of initially measured value

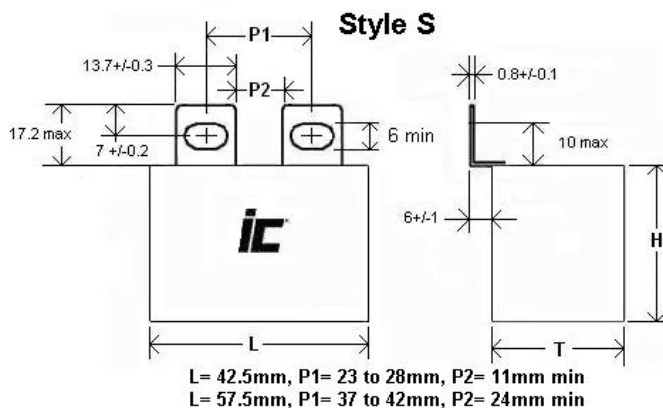
D.F. Change: \leq 200% of maximum specified value

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

PHYSICAL DIMENSIONS

Length (L): 57.5 mm, 1.0 mm
Height (H): 50 mm, \pm 1.0 mm
Thickness (T): 35 mm, \pm 0.8 mm

Lead Spacing (S): mm, \pm mm
Lead Diameter (d): mm, \pm 0.05 mm
Lead Length (LL): mm, \pm mm



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