



105RSB302K4R

SNUBBER

Parts are RoHS compliant

APPLICATIONS: Snubber, IGBT & Power semiconductor power circuits, energy conversion

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: 25 A at 100 kHz and 70°C

ESR: 4 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: 3000 Volts DC

SVDC: 4000 Volts DC

VAC: 750 Volts AC

Terminal to Terminal Dielectric strength: 2 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): 30000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Insulation resistance (Terminal to Case): 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 mm

Height (H): 57.5 mm, +/-1 mm

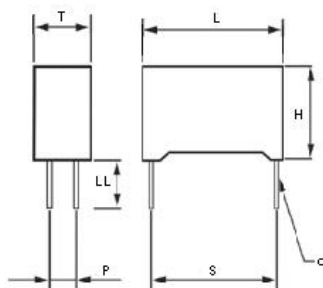
Thickness (T): 38 mm, +/-0.8 mm

Lead Spacing (S): 52.5 mm, +/-0.4 mm

Lead Spacing (P): 20.3 mm, +/-0.5 mm

Lead Diameter (d): 1.2 mm, +/-0.05 mm

Lead Length (LL): 5mm, +/- 1 mm



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk

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