PART NUMBER: 405PMC400K#P2

METALLIZED POLYPROPYLENE, POWER SEMICONDUCTOR DIRECT MOUNT SNUBBER LUG TERMINALS PARTS ARE ROHS COMPLIANT

FEATURES

Radial lead, self healing metallized polypropylene, high voltage, high current, high frequency, lug leads

ELECTRICAL SPECIFICATIONS

Capacitance: 4 uF
Dissipation Factor: 0.0005 Max at 1000 Hz and 25°C
Temperature Coefficient: -200 PPM/°C ; -100 PPM/°C , 100 PPM/°C
Ripple Current: 16.5 A at 100 kHz and 70°C
ESR: 3.4 milliOhms (typical) at 25°C and 100 kHz
Self Inductance: 1 Nanohenries maximum per mm of pitch
dv/dt: 40 V/µs

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: 400 Volts DC
SVDC: 600 Volts DC
VAC: 275 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 times the rated AC voltage when applied between the terminals for 60 seconds

Insulation Resistance (Terminal to Terminal): 3000 MegohmxMicrofarads 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
Max Capacitance Change: ≤3% of initially measured value
Dissipation Factor Change: ≤200% of maximum specified value
I.R. Change: >50% of minimum specified value

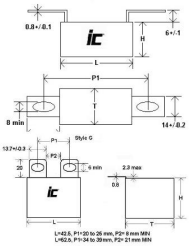
Insulation resistance (Terminal to Case): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

PHYSICAL DIMENSIONS

Length (L): 42.5 mm, +/- 0.8 mm
Height (H): 27.5 mm, +/- 0.6 mm
Thickness (T): 24.5 mm, +/- 0.6 mm

Select lead style below to complete part number

Style A



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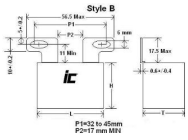

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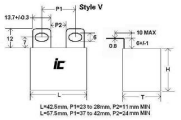

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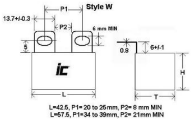

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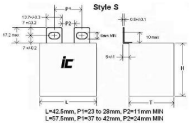

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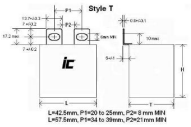

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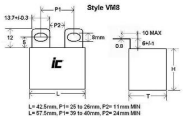

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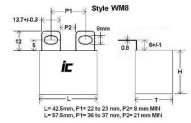

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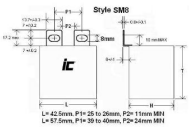

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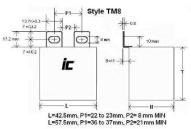

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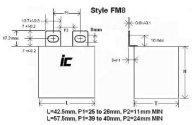

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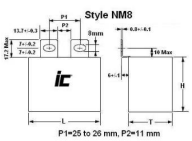

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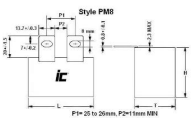

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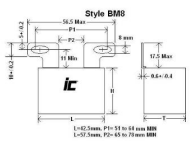

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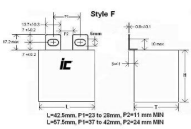
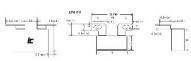
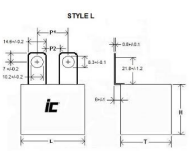




STYLE L



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