

APPLICATIONS: Snubber, IGBT & Power semiconductor direct mount

**ELECTRICAL SPECIFICATIONS**

Capacitance: 0.1  $\mu$ F  
 Dissipation Factor: 0.0008 Max at 1000 Hz and 25°C  
 Temperature Coefficient: -200 PPM/°C - 100 PPM/°C, 100 PPM/°C  
 Ripple Current: 8.5 A at 100 kHz and 30°C  
 ESL: 12.5 nH (typical) at 100 kHz and 25°C  
 Self Inductance: 1 Nanohenries maximum per mm of pitch  
 dv/dt: 1600 V/ $\mu$ 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%  
 WVDG: 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

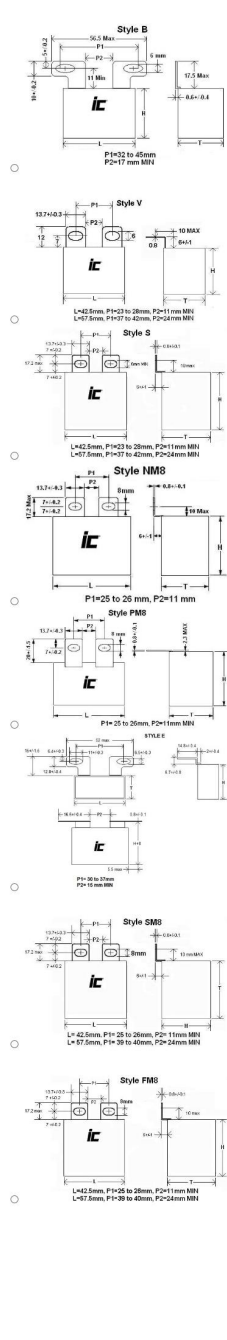
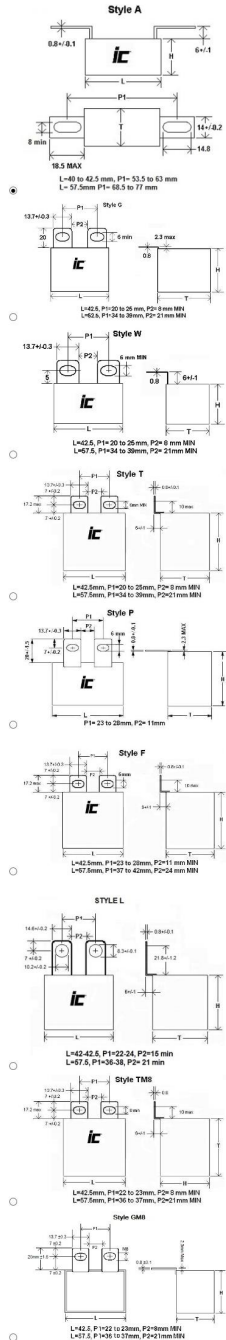
Reliability: 300 failures/billion component hours  
 Load Life: 100000/30000 hours at 70°C with 100% of rated voltage  
 Capacitance Change: <3% of initially measured value  
 D.F. Change: <20% of maximum specified value  
 I.R. Change: >50% of minimum specified value

**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

Lead Diameter (d): mm, +/- mm  
 Lead Length (LL): mm, +/- mm

**CHOOSE LEAD STYLE**



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