



154PHB850K2G
 HIGH FREQUENCY/ SWITCHING
 Parts are RoHS compliant

APPLICATIONS: industrial controls, Motor speed controls, Resonant circuits, induction heaters, Electronic ballasts, Audio, SMPS

ELECTRICAL SPECIFICATIONS

Capacitance: 0.15 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: 5 A at 100 kHz and 70°C
ESR: 9.7 milliOhms (typical) at 100 kHz and 25°C
Self Inductance: 1 Nanohenries maximum per mm of pitch
dvdt: 375 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: 850 Volts DC
SVDC: 1200 Volts DC
VAC: 450 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): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Reliability: 300 failures/billion component hours

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

Capacitance Change: ≤5% of initially measured value

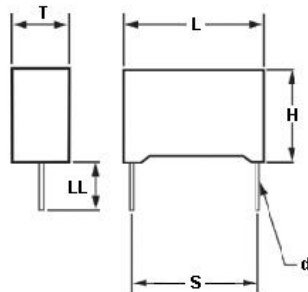
D.F. Change: 0 of maximum specified value

I.R. Change: 0 of minimum specified value

PHYSICAL DIMENSIONS

Length (L): 26.5 mm, .45 mm
Height (H): 18.5 mm, +/- .45 mm
Thickness (T): 10 mm, +/- .25 mm

Lead Spacing (S): 22.5 mm, +/- 0.4 mm
Lead Diameter (d): 0.8 mm, +/- 0.05 mm
Lead Length (LL): 5.5mm, +/- 1.5 mm



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