105MKP275K

EMI/RFI SUPPRESSION

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 1 uF
Dissipation Factor: 0.001 Max at 1000 Hz and 25°C
Temperature Coefficient: -200 PPM/°C: -100 PPM/°C, 100 PPM/°C
Ripple Current: at and
ESR: - at - and -
Self Inductance: 1 Nanohenries maximum per mm of pitch
dvdt: 120 V/µs

Tolerance: -10 % , +10 %
Temperature Range: -40°C to +110°C
Above 110°C the rated (DC/AC) voltage must be derated at per N/A°C
WVDC: 0 Volts DC
SVDC: N/A Volts DC
VAC: 310 Volts AC

Terminal to Terminal Dielectric strength: 3.226 V times the rated AC voltage when applied between the terminals for 60 seconds

Terminal to case Dielectric strength: 6.613 VAC when applied between the terminals and case for 60 seconds

Insulation Resistance (Terminal to Terminal): 5000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

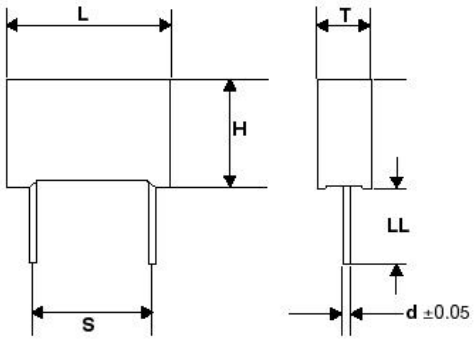
Insulation resistance (Terminal to Case): 30000 Megohms MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Reliability: Load Life: 1000 hours at 110°C with 125% of rated voltage
Capacitance Change: ≤5% of initially measured value
D.F. Change: ≤150% of maximum specified value
I.R. Change: >100% of minimum specified value

PHYSICAL DIMENSIONS

Length (L): 31 mm, 0.3 mm
Height (H): 17 mm, +/-0.3 mm
Thickness (T): 8 mm, +/-0.3 mm

Lead Spacing (S): 27.5 mm, +/-0.5 mm
Lead Diameter (d): 0.8 mm, +/-0.05 mm
Lead Length (LL): 5mm, +/- MIN mm



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