

103MWS402KG

GENERAL PURPOSE FILM

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 0.01 uF
Dissipation Factor: 0.008 Max at 1000 Hz and 25°C , 0.015 Max at 10 kHz and 25°C , 0.03 Max at 100 kHz and 25°C
Temperature Coefficient: 400 PPM/°C: -200 PPM/°C, 200 PPM/°C
Ripple Current: at and
ESR: - at - and -
Self Inductance: 1 Nanohenries maximum per mm of body length and lead length
dvdt: 550 V/µs

Tolerance: -10 % , +10 %
Temperature Range: -55°C to +105°C
Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/2.25%°C
WVDC: 4000 Volts DC
SVDC: N/A Volts DC
VAC: 750 Volts AC

Terminal to Terminal Dielectric strength: 1.5 times the rated DC voltage when applied between the terminals for 10 seconds

Terminal to case Dielectric strength: 0 VAC when applied between the terminals and case for 0 seconds

Insulation Resistance (Terminal to Terminal): 100000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

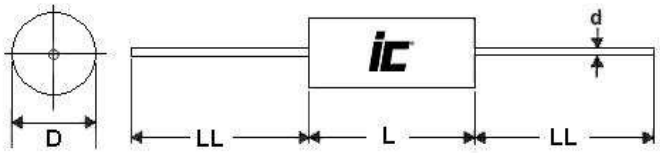
Insulation resistance (Terminal to Case): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Reliability: Load Life: 2000 hours at 85°C with 125% of rated voltage
Capacitance Change: ≤5% of initially measured value
D.F. Change: ≤200% of maximum specified value
I.R. Change: >50% of minimum specified value

PHYSICAL DIMENSIONS

Diameter (D): 17 mm, MAX mm
Length (L): 29 mm, MAX mm
Lead Finish: Matte Tin

Lead Spacing (S): mm, +/-0.4 mm
Lead Diameter (d): 0.8 mm, +/-0.05 mm
Lead Length (LL): 35mm, +/- MIN mm



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