

PART NUMBER: 105MWR400K

METALLIZED POLYESTER WRAP AND FILL AXIAL LEAD CAPACITORS

Parts are RoHS compliant

Date code when parts became RoHS: 14



ELECTRICAL SPECIFICATIONS

Capacitance: 1 uF

Dissipation Factor: 0.01 Max at 1000 Hz and 25°C

Temperature Coefficient: 400 PPM/°C: -200 PPM/°C, 200 PPM/°C

Ripple Current: - at - and 0

ESR: - at - and -

Self Inductance: 1 Nanohenries maximum per mm of body length and lead length

dvdt: 4 V/μs

Terminal to Terminal Dielectric strength: 1.6 times the rated DC voltage when applied between the terminals for 2 seconds

Insulation Resistance (Terminal to Terminal): 10000

Megohm x Microfarads MINIMUM after Volts DC is applied for seconds at

Reliability: 3 FIT

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

Tolerance: -10 % , +10 %

Temperature Range: -55°C to +125°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/°C

WVDC: 400 Volts DC

SVDC: N/A Volts DC

VAC: 200 Volts AC

Terminal to case Dielectric strength: 200 times the rated DC voltage when applied between the terminals for 2~5 seconds

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

PHYSICAL DIMENSIONS

Diameter (D): 14.5 mm, MAX mm

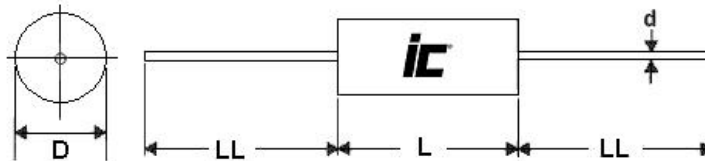
Length (L): 34 mm, MAX mm

Lead Finish: Matte Tin

Lead Spacing (S): mm, +/- mm

Lead Diameter (d): 0.8 mm, +/-0.05 mm

Lead Length (LL): 35mm, +/- MIN mm



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