

PART NUMBER: 102MPW630K

METALLIZED POLYPROPYLENE WRAP AND FILL AXIAL LEAD CAPACITORS

Parts are RoHS compliant

Date code when parts became RoHS: 26



ELECTRICAL SPECIFICATIONS

Capacitance: 0.001 μ F

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 0

ESR: - at - and -

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

dvdt: 22 V/ μ s

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): 30000 Megohms 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: $\leq$ 3% of initially measured value

D.F. Change: $\leq$ 125% of maximum specified value

I.R. Change: $>$ 50% of minimum specified value

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%/°C

WVDC: 630 Volts DC

SVDC: N/A Volts DC

VAC: 250 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): 5.5 mm, MAX mm

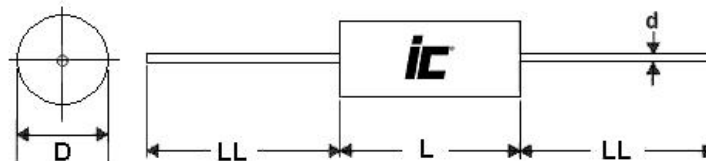
Length (L): 11.5 mm, MAX mm

Lead Finish: Matte Tin

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

Lead Diameter (d): 0.6 mm, +/-0.05 mm

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



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