

PART NUMBER: 152PWS202KD

HIGH DVDT/PULSE

Parts are RoHS compliant



FEATURES

Axial lead, self healing metallized polypropylene with metal foil electrodes, high dvdt

ELECTRICAL SPECIFICATIONS

Capacitance: 0.0015 uF

Dissipation Factor: 0.0005 Max at 10 kHz and 25°C

Temperature Coefficient: -200 PPM/°C: -100 PPM/°C, 100 PPM/°C

Ripple Current: 0 at 0 and 0

ESR: - at - and -

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

dvdt: 27000 V/μs

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

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

Reliability: 1 failures/billion component hours 1 FIT

Load Life: 2000 hours at 85°C with 125% of rated voltage

Capacitance Change: ≤1% of initially measured value

D.F. Change: .001 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: 2000 Volts DC

SVDC: N/A Volts DC

VAC: 500 Volts AC

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

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

PHYSICAL DIMENSIONS

Diameter (D): 10 mm, MAX mm

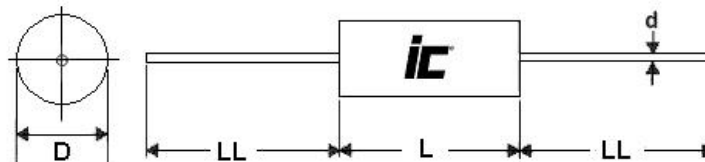
Length (L): 20.5 mm, MAX mm

Lead Finish: Matte Tin

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

Lead Diameter (d): 0.8 mm, +/- .05 mm

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



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