

## 102PWS202KD

HIGH DVDT/PULSE

Parts are RoHS compliant



### ELECTRICAL SPECIFICATIONS

Capacitance: 0.001 uF

Dissipation Factor: 0.001 Max at 100 kHz and 25°C , Max at - and 25°C , Max at - 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 body length and lead length

dvd: 27000 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%/°C

WVDC: 2000 Volts DC

SVDC: N/A Volts DC

VAC: 500 Volts AC

Terminal to Terminal Dielectric strength: 2 times the rated DC voltage when applied between the terminals for 2 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 100 Volts DC is applied for 60 seconds at 20°C

Reliability: 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

### PHYSICAL DIMENSIONS

Diameter (D): 9 mm, MAX mm

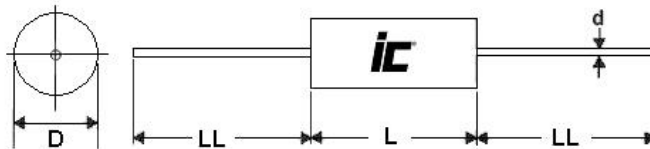
Length (L): 20.5 mm, MAX mm

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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