

# 152PWS202KD

HIGH DVDT/PULSE

Parts are RoHS compliant



## ELECTRICAL SPECIFICATIONS

Capacitance: 0.0015  $\mu$ F

Dissipation Factor: 0.0005 Max at 10 kHz 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/ $\mu$ s

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:  $\leq$ 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): 10 mm, MAX mm

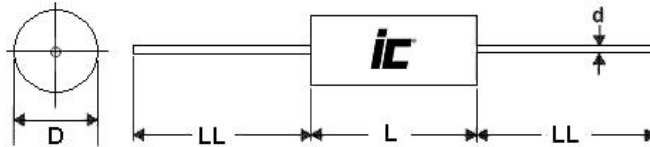
Length (L): 20.5 mm, MAX mm

Lead Finish: Matte Tin

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

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

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



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, [www.ilcap.com.hk](http://www.ilcap.com.hk)

© Copyright 2020 Illinois Capacitor. An affiliate of Cornell Dubilier, All Rights Reserved