

ILLINOIS CAPACITOR INC.

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PART NUMBER: 224PPA302KR

High Voltage Axial Lead Snubber Polypropylene Capacitors

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

CAPACITANCE:

0.22 μ F

WVDC:

3000 Volts DC

SVDC:

3500 Volts DC

VAC (not for across the line):

750 Volts AC, 50/60Hz

RMS CURRENT:

14 A at 100 kHz and +70°C

TEMPERATURE RANGE:

-40°C to +85°C

Above 85°C the rated voltage (DC/AC) must be de-rated at per °C

Terminal to Terminal Dielectric strength:

1.6 times the rated DC voltage when applied between the terminals for 10 seconds

Terminal to case Dielectric strength:

3000 VAC (50/60 Hz) when applied between the terminals and case for 60 seconds

LOAD LIFE:

100000/30000 hours at 70°C and with 100 % of rated voltage

Capacitance change: \leq 3% of initially measured value

Dissipation Factor: \leq 200% of specified value

Insulation Resistance: $>$ 50% of specified value

TOLERANCE:

-10 %, +10 %

DV/DT:

1450 V/ μ S

DISSIPATION FACTOR:

0.0005 Max at 1000 Hz and 25°C

ESR:

5.9 m Ω (typical) at 100 kHz and 20°C

TEMPERATURE COEFFICIENT:

-200 PPM/°C: -100 PPM/°C, + 100 PPM/°C

SELF-INDUCTANCE:

1nH/ per mm of body and lead length used

INSULATION RESISTANCE (T - T):

30000 Megohm \times Microfarads MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C "Not to exceed 30G ohms"

INSULATION RESISTANCE (Terminal to Case):

N/A Megohm \times Microfarads MINIMUM after Volts DC applied for seconds at

FAILURE RATE (quota):

300 failures/billion component hours

PHYSICAL SPECIFICATIONS

DIAMETER (D): 30.5 mm, + MAX mm

LENGTH (L): 55 mm, + MAX mm

LEAD WIRE (d): 1.2 mm, +/- 0.05 mm

LEAD LENGTH (LL): 35 mm, +/- MIN mm

Lead Finish: Matte Tin

