

ILLINOIS CAPACITOR INC.

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PART NUMBER: 334MPR250JE

Metallized Polypropylene Epoxy Dipped Radial Lead Capacitors

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

CAPACITANCE:

0.33 μ F

WVDC:

250 Volts DC

TOLERANCE:

-5 %, +5 %

DV/DT:

200 V/ μ S

VAC (not for across the line):

160 Volts AC, 50/60Hz

DISSIPATION FACTOR:

0.0005 Max at 1000 Hz and 25°C

0.0008 Max at 10 kHz and 25°C

TEMPERATURE RANGE:

-55°C to +105°C

Above 85°C the rated voltage (DC/AC) must be de-rated at 1.25%/2.25% per °C

TEMPERATURE COEFFICIENT:

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

Self inductance:

1nH/ mm pitch

Terminal to Terminal Dielectric strength:

1.6 times the rated DC voltage when applied between the terminals for 2 seconds

INSULATION RESISTANCE (T - T):

30000 Megohms MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Terminal to case Dielectric strength:

2 times the rated DC voltage when applied between the terminals and case for 2~5 seconds

LOAD LIFE:

2000 hours at 85°C and with 125 % of rated voltage

Capacitance change: \leq 3% of initially measured value

Dissipation Factor: \leq 125% of specified value

Insulation Resistance: $>$ 50% of specified value

PHYSICAL SPECIFICATIONS

LENGTH (L): 18 mm MAX

HEIGHT (H): 13 mm MAX

THICKNESS (T): 8.5 mm MAX

LEAD SPACING (S): 15 mm, +/- 1.5 mm

LEAD WIRE (d): 0.8 mm, +/- 0.05 mm

LEAD LENGTH (LL): 15 mm MIN

Lead Finish: Matte Tin

