



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ILLINOIS CAPACITOR INC.

8/28/2018

2400 E. Devon Ave. Ste. 292 Des Plaines, IL 60018 (847)-675-1760 FAX (847)-673-2850 www.illcap.com

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk

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 sMicrofarads 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

