



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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Specification Status: Released

Electrical Rating

Voltage: 6V_{DC} MAX

Current: 40A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

meets

UL 94 V-O Requirements

Lead Material:

24 AWG Tin Plated Copper Clad Steel

Marking:

— Manufacturer's Mark
XX R120 and Part Identification

□□□□ — Lot Identification

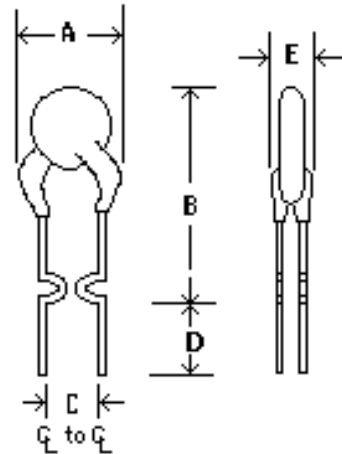


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 6.9 | -- | 11.7 | 4.3 | 5.9 | 7.6 | -- | -- | 3.1 |
| in*: | -- | (0.27) | -- | (0.46) | (0.17) | (0.23) | (0.30) | -- | -- | (0.12) |

TABLE II. PERFORMANCE RATINGS :

| I HOLD RATED CURRENT | CURRENT RATINGS | | INITIAL RESISTANCE VALUES | | | ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP | TIME TO TRIP @ 8A | TRIPPED -STATE POWER DISSIPATION |
|----------------------|----------------------|-----------------------------|---------------------------|------|--------|---|-------------------|----------------------------------|
| | AMPERES AT 20°C HOLD | AMPERES AT 20°C HOLD TRIP | OHMS AT 20°C | | | | | |
| 1.2 | 1.2 | 2.0 | MIN | TYP | MAX | OHMS AT 20°C MAX | SECONDS AT 20°C | WATTS AT 20°C |
| | | | 0.07 | 0.08 | 0.0975 | 0.14 | 0.5 | 0.6 |

Agency Recognition:

UL, CSA, TUV

Reference Documents:

PS300

Precedence:

This specification takes precedence over documents referenced herein.

Effectivity:

Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION:

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Halogen Free*

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RUSBF120

DOCUMENT: SCD25244
REV LETTER: F
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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