



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!



## Contact us

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**Specification Status: Released**

**Maximum Electrical Rating**

Operating Voltage: 15 Vdc

MAX

Interrupt Current: 100A MAX

Chip Size: 5 X 7mm

Leads: Nickel 1/4H

0.125mm nominal thickness

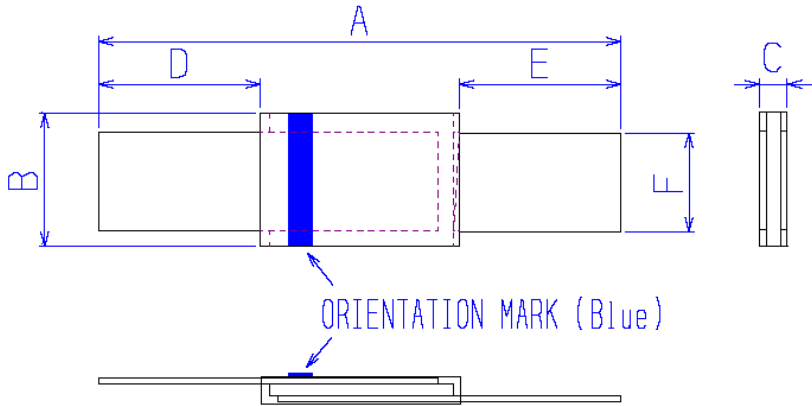
Solder: Lead-free

Tape: Polyester (White)

8mm nominal Width

Marking: (Color: Green)

- Manufacturer's Mark
- XX E19 — Part Identification
- — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A      |        | B      |        | C      |        | D      |        | E      |        | F      |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| mm:  | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    |
|      | 19.9   | 22.1   | 4.9    | 5.5    | 0.6    | 1.0    | 5.5    | 7.5    | 5.5    | 7.5    | 3.9    | 4.1    |
| in*: | (0.78) | (0.87) | (0.19) | (0.22) | (0.02) | (0.04) | (0.22) | (0.30) | (0.22) | (0.30) | (0.15) | (0.16) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.**

| I HOLD | CURRENT TRIP LIMITS |      |                |      |                 |      |                 |      | TIME TO TRIP    |      | REFERENC<br>E<br>RESISTANC<br>E |     | ONE-HOUR<br>POST-TRIP<br>RESISTANCE |       | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |       |                       |     |
|--------|---------------------|------|----------------|------|-----------------|------|-----------------|------|-----------------|------|---------------------------------|-----|-------------------------------------|-------|---|-------|-----------------------|-----|
|        | AMPS<br>20°C        |      | AMPS<br>AT 0°C |      | AMPS<br>AT 20°C |      | AMPS<br>AT 60°C |      | AMPS<br>AT --°C |      | SECONDS<br>AT<br>20°C, 9.5A     |     | OHMS<br>AT 20°C                     |       | OHMS<br>AT 20°C                           |       | WATTS AT<br>20°C, 15V |     |
| HOLD   | HOLD                | TRIP | HOLD           | TRIP | HOLD            | TRIP | HOLD            | TRIP | HOLD            | TRIP | TYP                             | MAX | MIN                                 | MAX   | MIN                                       | MAX   | TYP                   | MAX |
| 1.9    | 2.3                 | 4.6  | 1.9            | 3.9  | 1.4             | 2.8  | --              | --   | --              | 5    | -                               | 5   | 0.039                               | 0.072 | 0.039                                     | 0.102 | --                    | 1.2 |

Agency Recognitions:

UL, TUV, CSA

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:  
flame.

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

**Materials Information:**

**ROHS Compliant**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**





**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: LR4-190F**

DOCUMENT: SCD25564  
PCN: E24709  
REV LETTER: D  
REV DATE: July 26, 2016  
PAGE NO.: 2 OF 2

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