

**Specification Status: Released**

**Electrical Rating**  
**Voltage: 15V MAX**  
**Current: 100A MAX**

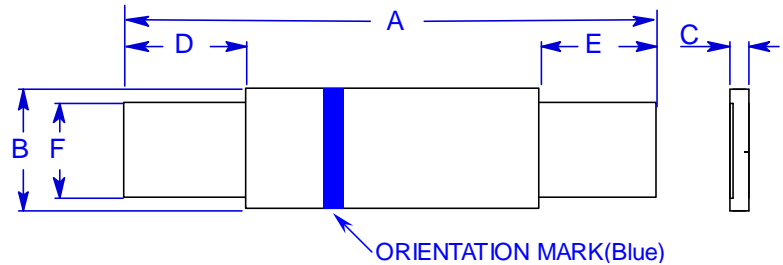
Leads: Nickel  
 0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester(White)  
 22mm Width

Marking: (Color: Green)

- Manufacturer's Mark
- XX E38 — Part Identification
- — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A      |       | B      |        | C      |        | D      |        | E      |        | F      |        |
|------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|      | MIN    | MAX   | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    |
| mm:  | 32.2   | 35.8  | 4.9    | 5.5    | 0.6    | 1.0    | 5.5    | 7.5    | 5.5    | 7.5    | 3.9    | 4.1    |
| in*: | (1.26) | (1.4) | (0.19) | (0.21) | (0.02) | (0.03) | (0.21) | (0.29) | (0.21) | (0.29) | (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           |     | REFERENCE RESISTANCE |       | ONE-HOUR POST-TRIP RESISTANCE |       | TRIPPED-STATE POWER DISSIPATION |     |
|--------|---------------------|------|--------------|------|--------------|------|------------------------|-----|----------------------|-------|-------------------------------|-------|---------------------------------|-----|
|        | AMPS AT 0°C         |      | AMPS AT 20°C |      | AMPS AT 60°C |      | SECONDS AT 20°C, 19.0A |     | OHMS AT 20°C         |       | OHMS AT 20°C                  |       | WATTS AT 20°C, 15V              |     |
|        | HOLD                | TRIP | HOLD         | TRIP | HOLD         | TRIP | TYP                    | MAX | MIN                  | MAX   | MIN                           | MAX   | TYP                             | MAX |
| 3.8    | 4.4                 | 9.7  | 3.8          | 8.3  | 2.8          | 6.1  | --                     | 5.0 | 0.013                | 0.026 | 0.013                         | 0.037 | --                              | 2.5 |

Agency Recognition: UL, TUV, CSA  
 Reference Document: 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**

Directive 2002/95/EC  
 Compliant

**ELV Compliant**

Directive 2000/53/EC  
 Compliant

**Pb-Free**





Expertise Applied | Answers Delivered

# PolySwitch® PTC Devices

Overcurrent Protection Device

**PRODUCT: LR4-380XF**

DOCUMENT: SCD27530  
REV LETTER: C  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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