

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: 15Vdc MAX
Current: 100A MAX

Chip Size: 5.0x12.0mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester (White)
13mm nominal width

Solder: Lead-free
Marking(Color: Green):

- Manufacturer's Mark
- XX 175 — Part Identification
- — Lot Identification

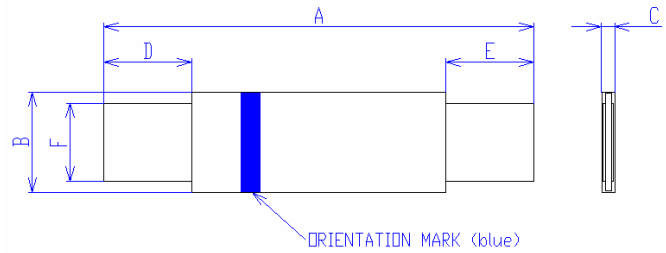


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 20.9 | 23.1 | 4.9 | 5.2 | 0.6 | 1.0 | 4.1 | 5.5 | 4.1 | 5.5 | 3.9 | 4.1 |
| in*: | (0.82) | (0.91) | (0.19) | (0.20) | (0.02) | (0.04) | (0.16) | (0.22) | (0.16) | (0.22) | (0.15) | (0.16) |

*Rounded off approximation

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

| AMPS 20°C | CURRENT TRIP LIMITS | | | | | | | | TIME TO TRIP SECONDS AT 20°C, 8.75 A | REFERENCE RESISTANCE OHMS AT 20°C | ONE-HOUR POST-TRIP RESISTANCE OHMS AT 20°C | TRIPPED- STATE POWER DISSIPATION WATTS AT 20°C, 15V | | | |
|--------------|---------------------|------|-----------------|------|-----------------|------|-----------------|------|---|--|--|--|-------|-------|-----|
| | AMPS AT 0°C | | AMPS AT 20°C | | AMPS AT 60°C | | AMPS AT 85°C | | | | | | | | |
| | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | | | | | | |
| 1.75 | 2.0 | 4.4 | 1.75 | 3.8 | 1.2 | 2.7 | 0.9 | --- | --- | 5 | 0.050 | 0.090 | 0.050 | 0.120 | 1.5 |

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

Materials Information:

ROHS Compliant

ELV Compliant

Pb-Free





Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: SRP175F

DOCUMENT: SCD25486
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 1 OF 2

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