



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

**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

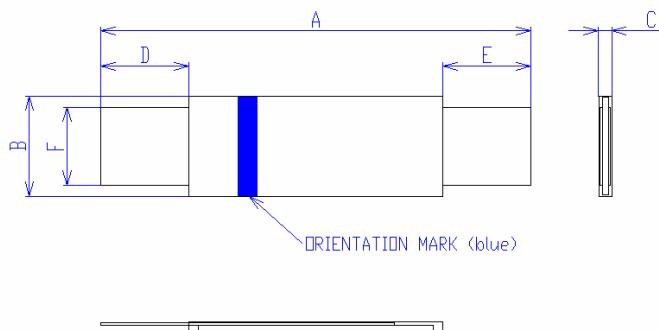
Solder: Lead-free

Marking(Color: Green):

\_\_\_\_\_ — Manufacturer's Mark

**XX 175** — Part Identification

**□□□□** — Lot Identification



**TABLE I. DIMENSIONS:**

mm:	A		B		C		D		E		F	
	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.**

	CURRENT TRIP LIMITS						TIME TO TRIP	REFERENCE RESISTANCE	ONE-HOUR POST-TRIP RESISTANCE	TRIPPED-STATE POWER DISSIPATION
	AMPS 20°C	AMPS AT 0°C	AMPS AT 20°C	AMPS AT 60°C	AMPS AT 85°C	SECONDS AT 20°C, 8.75 A TYP				
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX
1.75	2.0	4.4	1.75	3.8	1.2	2.7	0.9	---	5	0.050
									MIN	MAX
									0.090	0.050
									0.120	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**

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant





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

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.