



# THE DATASHEET OF SRP175F



**Specification Status: RELEASED**

**Maximum Electrical Rating**

**Voltage: 15Vdc MAX**  
**Current: 100A MAX**

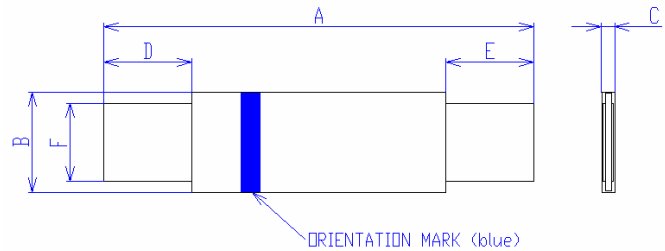
Chip Size: 5.0x12.0mm

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**

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

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