

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

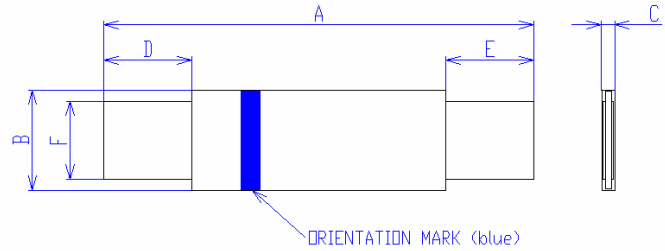


TABLE I. DIMENSIONS:

	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		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				OHMS AT 20°C				
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP			MIN	MAX		MIN	MAX
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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