

308 Constitution Drive

Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: SRP175F

DOCUMENT: SCD25486

REV LETTER: E REV DATE: JUNE 27, 2011

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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

× 175 — Part Identification

_____ Lot Identification

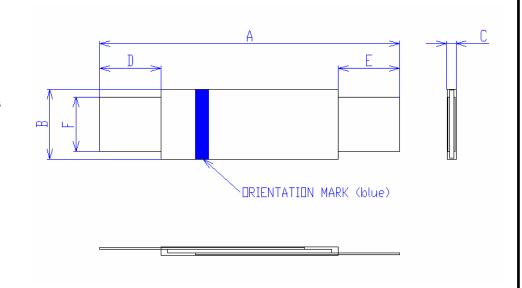


TABLE I. DIMENSIONS:

	Α		В		С		D		Е		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.

I HOLD			CUR	RENT:	TRIP LIN	ИITS		TIME	E TO	REFERENCE ONE-HOUR			TRIPPED-		
								TR	RIP	RESISTANCE		POST-TRIP		STATE	
ll												RESISTANCE		POWER	
ll															DISSIPATION
AMPS	AMPS		AM	AMPS AMPS		PS	AMPS		SECONDS AT		OHMS		OHMS		WATTS AT
20℃	O°C TA		AT 20℃		AT 60℃		AT 85℃		20℃, 8.75 A		AT 20℃		AT 20℃		20℃, 15V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	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



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