

Raychem Corporation

300 Constitution Drive
Menlo Park, CA 94025
800-227-4856
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Raychem
PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: SMD200

DOCUMENT: SCD 22294
PCN: 925851
REV LETTER: H
REV DATE: JULY 11, 1998
PAGE NO.: 1 OF 2

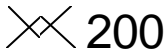
Specification Status: Released

Maximum Electrical Ratings

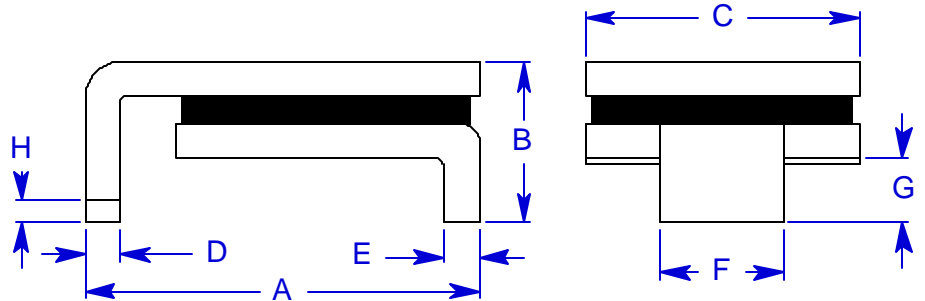
Operating Voltage / Interrupt Current

- 15V / 40A
- 12V / 60A
- 5V / 125A

Marking:



┌───┐
└───┘ Manufacturer's Mark
└───┘ Part Identification



Notes:

1. All metal surfaces are tin plated.
2. Devices cannot be wave soldered.
3. Drawing not to scale.

TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G		H
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm	8.00	9.40	--	3.00	5.99	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43
in*	(0.315)	(0.370)	--	(0.118)	(0.236)	(0.264)	(0.022)	(0.028)	(0.022)	(0.028)	(0.145)	(0.155)	(0.026)	(0.054)	(0.017)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT RATINGS						TIME TO TRIP	REFERENCE RESISTANCE VALUES (PRE REFLOW)	ONE-HOUR POST SOLDER RESISTANCE (260°C, 20 SEC)	TRIPPED-STATE POWER DISSIPATION	
	AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C						SECONDS AT 20°C, 8.0A MAX
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX	MAX	MAX
2.0	2.3	4.6	2.0	4.0	1.3	2.8	12	0.050	0.070	0.125	1.9

Reference Documents:

PS300, E.N. SMD 1.0x

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.

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TEST PROCEDURES AND REQUIREMENTS FOR SMD200

TEST NAME	PS300 SECTION	TEST CONDITIONS	ACCEPT/REJECT CRITERIA
Visual Mechanical	5.1.1	Verify dimensions and materials	Per SCD physical description
Resistance	5.4.1	Condition D, 20°C	Per SCD
Hold Current	5.4.6	30 minutes, 2.00A	No Trip
Time to Trip	5.4.7	8 amps, 20°C	Trip Time < 12 sec