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[TE Connectivity Raychem Circuit Protection
SMD150-2](#)

For any questions, you can email us directly:

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Tyco / Electronics

Raychem Circuit Protection

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PolySwitch®

PTC Devices

Overcurrent Protection Device

PRODUCT: SMD150

DOCUMENT: SCD 21830

PCN: 672291

REV LETTER: J

REV DATE: AUGUST 6, 2002

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Ratings

Operating Voltage / Interrupt Current

15V / 40A

12V / 60A

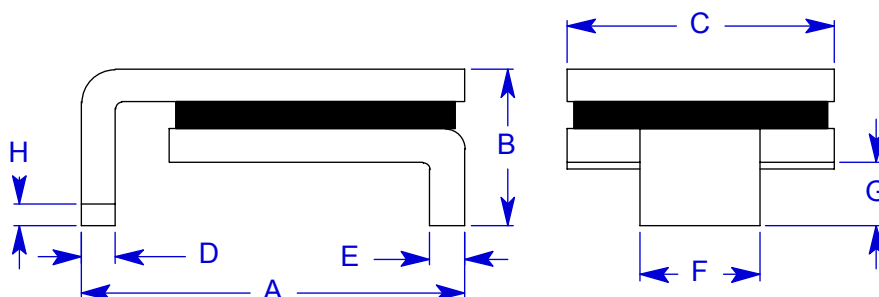
5V / 125A

Marking:

✕ 150

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	6.0	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:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C		WATTS AT 20°C MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.80	3.60	1.50	3.00	0.99	1.98	5	0.060	0.250	1.9

* Maximum resistance is measured both 1 hour post reflow and 1 hour post trip.

** Values specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

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.