

Specification Status: Released
Maximum Electrical Ratings
Operating Voltage / Interrupt Current

 15V_{DC} / 40A

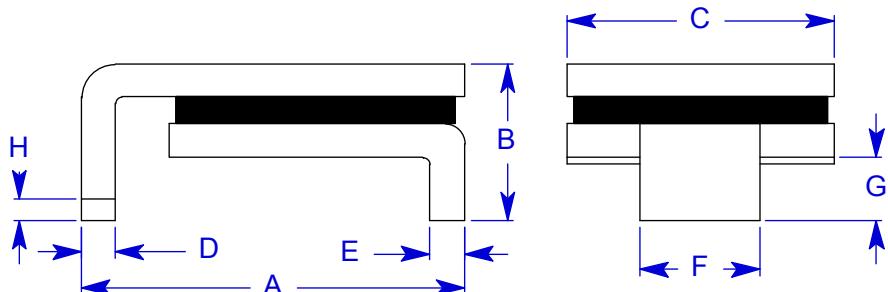
 12V_{DC} / 60A

 5V_{DC} / 125A

Marking:

250F – Part Identification

 Manufacturer's Mark

 □□□□ – Lot Identification

Notes:

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

TABLE I. DIMENSIONS:

mm: in*:	A MIN	A MAX	B MIN	B MAX	C MIN	C MAX	D MIN	D MAX	E MIN	E MAX	F MIN	F MAX	G MIN	G MAX	H MIN
	(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)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPS AT 0°C HOLD		AMPS AT 20°C HOLD		AMPS AT 60°C HOLD		SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C MAX	WATTS AT 20°C MAX	
2.8	6.0	2.5	5.0	1.6	3.8	25.0	0.035	0.085	1.9

*Maximum resistance is measured 1 hour after reflow.

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

Agency Recognition:

UL, CSA, TÜV

Reference Document:

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

 Directive 2002/95/EC
 Compliant

ELV Compliant

 Directive 2000/53/EC
 Compliant

Pb-Free

Halogen Free*


* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: SMD250F

DOCUMENT: SCD25100
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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