

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: SMD075F

DOCUMENT: SCD25099 REV LETTER: G

REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

Specification Status: Released

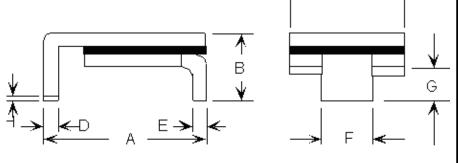
Maximum Electrical Ratings

Operating Voltage / Interrupt Current

30V_{DC} / 40A 12V_{DC} / 60A 5V_{DC} / 125A

Marking:





Notes:

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

TABLE I. DIMENSIONS:

	Α		В		С		D		Е		F		G		Н
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	6.73	7.98		3.18	4.8	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43
in*:	(0.265)	(0.314)		(0.125)	(0.19)	(0.214)	(0.022)	(0.028)	(0.022)	(0.028)	(0.085)	(0.095)	(0.026)	(0.054)	(0.017)

TABLE II. PERFORMANCE RATINGS:

17 DEE III 1 EIG GIGIII/GOE IV CI II COC.												
	CU	IRRENT	RATING	S**		TIME TO			TRIPPED-STATE			
						TRIP**	VALUES		POWER			
									DISSIPATION**			
AM	AMPS		PS	AMPS		SECONDS AT	OHMS		WATTS AT			
AT	AT 0°C		20°C	AT 60°C		20°C, 8.0A	AT 20°C		20°C			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
0.84	1.68	0.75	1.50	0.49	0.98	0.3	0.35	1.0	1.7			

^{*} Maximum resistance is measured 1 hour after reflow.

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*



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

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



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