

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: SMD030F

DOCUMENT: SCD25167 REV LETTER: G

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

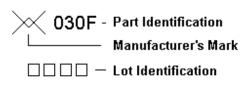
Specification Status: Released

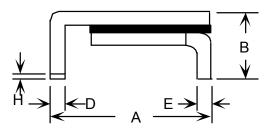
Maximum Electrical Ratings

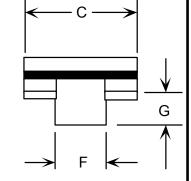
Operating Voltage / Interrupt Current

60V_{DC} / 10A 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		E		F		G		Н
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	6.73	7.98	ŀ	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:

	CU	RRENT	RATING	S**		TIME TO	RESISTANCE		TRIPPED-STATE			
						TRIP**	VALUES		POWER			
		_							DISSIPATION**			
A۱	AMPS		PS	AMPS		SECONDS AT	OHMS		WATTS AT			
AT 0°C		AT 20°C		AT 60°C		20°C, 1.5 A	AT 20°C		20°C			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
0.32	0.64	0.30	0.60	0.19	0.39	3.0	1.2	4.8	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*



© 2016 Littelfuse,Inc Specifications are subject to change without notice. Revised July 26, 2016 Littelfuse.com

^{**} 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.



PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: SMD030F

DOCUMENT: SCD25167 REV LETTER: G

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

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.

© 2016 Littelfuse,Inc Specifications are subject to change without notice. Revised July 26, 2016 Littelfuse.com

单击下面可查看定价,库存,交付和生命周期等信息

>>Littelfuse(美国力特)