

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: SMD030F-2018

DOCUMENT: SCD25559 REV LETTER: H

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

### **Specification Status: Released**

## Maximum Electrical Rating Operating Voltage / Interrupt Current

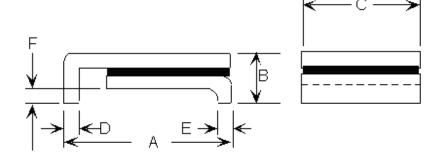
60V<sub>DC</sub> / 20A

Marking:

A03F – Part Identification

Manufacturer's Mark





#### 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	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	4.72	5.44		1.78	4.22	4.93	0.25	0.36	0.25	0.36	0.30	0.46
in*:	(0.186)	(0.214)		(0.070)	(0.166)	(0.194)	(0.010)	(0.014)	(0.010)	(0.014)	(0.012)	(0.018)

#### **TABLE II. PERFORMANCE RATINGS:**

	CU	RRENT	RATING	S**		TIME TO	RESISTANCE		TRIPPED-STATE	
						TRIP**	VALUES		POWER	
									DISSIPATION**	
AM	AMPS		AMPS		PS	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	
0.35	0.90	0.30	0.80	0.17	0.45	1.5	0.50	2.30	1.5	

<sup>\*</sup> 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** 

ELV Compliant

Pb-Fre

Halogen Free\*



Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant

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

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<sup>\*\*</sup> Values specified were determined using PCB's with 0.070"x1.5 ounce copper traces.



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