

**Specification Status: Released**

**Maximum Electrical Rating**

Voltage: 30V<sub>DC</sub>

Short Circuit Current: 10A

Notes:

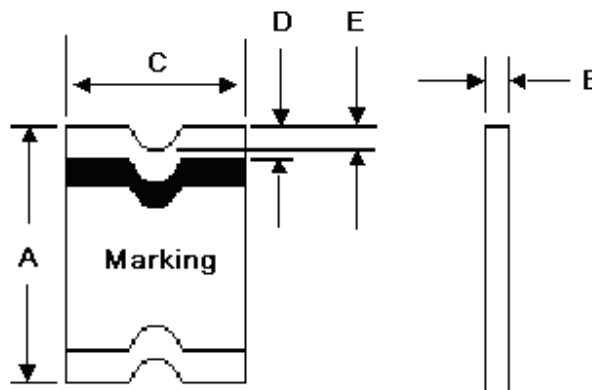
1. All terminations are tin plated.
2. Drawing not to scale

Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.635	0.89	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS **						TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C	AMPERES AT 20°C	AMPERES AT 60°C	AMPERES AT 20°C	AMPERES AT 60°C	AMPERES AT 20°C	SECONDS AT 20°C, 8A MAX	OHMS AT 20°C	OHMS AT 20°C	WATTS AT 20°C, 30V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.23	0.46	0.20	0.40	0.13	0.26	0.02	0.60	3.30	0.8

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Reference Documents: PS300, PS400

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: miniASMDC020F**

DOCUMENT: SCD27846  
REV LETTER: B  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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