

**Specification Status: Released**

**Maximum Electrical Rating**

Voltage: 6V<sub>DC</sub>  
Short Circuit Current: 40A

Notes:

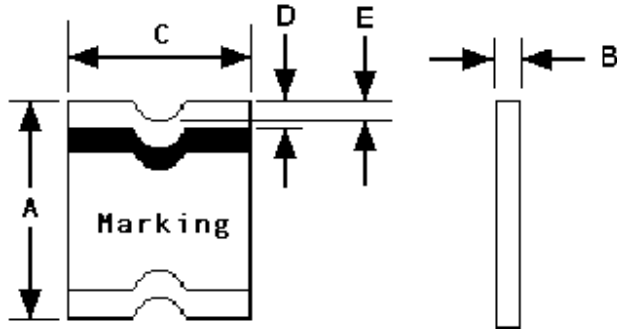
1. All terminations are tin plated.
2. Drawing not to scale

Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.40	0.76	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.016)	(0.030)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

**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		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C		WATTS AT 20°C, 6V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
2.10	4.20	1.75	3.50	1.35	2.70	0.8	0.025	0.080	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.

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: microSMD175F**

DOCUMENT: SCD25626  
REV LETTER: I  
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PAGE NO.: 2 OF 2

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