

### **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

PRODUCT: microSMD075F

DOCUMENT: SCD25267 **REV LETTER: H** 

**REV DATE: JULY 26, 2016** 

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## **Specification Status: Released**

#### **Maximum Electrical Rating**

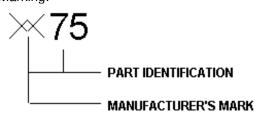
Voltage: 6V<sub>DC</sub>

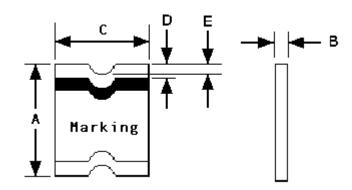
**Short Circuit Current: 40A** 

#### Notes:

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

#### Marking:





#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.38	0.62	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.015)	(0.025)	(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 HOLD   TRIP		AMPERES AT 20°C HOLD   TRIP		AMPERES AT 60°C HOLD   TRIP		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C MIN   MAX*		WATTS AT 20°C, 6V MAX	
0.86	1.72	0.75	1.50	0.55	1.10	0.1	0.110	0.40	0.8	

<sup>\*</sup>Maximum resistance is measured 1 hour after reflow.

Agency Recognition: UL, CSA, TÜV Reference Documents: 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\*



<sup>\*\*</sup> Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm



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