

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: microSMD005F

DOCUMENT: SCD25058

**REV LETTER: I** 

**REV DATE: JULY 26, 2016** 

PAGE NO.: 1 OF 2

### **Specification Status: Released**

#### **Maximum Electrical Rating**

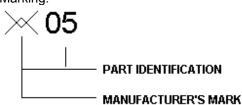
Voltage: 30V<sub>DC</sub>

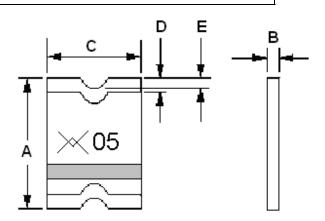
**Short Circuit Current: 10A** 

#### Notes:

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

#### Marking:





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

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.50	0.85	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.019)	(0.034)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

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

CURRENT RATINGS**						TIME TO	RESISTANCE		TRIPPED-STATE		
						TRIP**	VALUES		POWER		
									DISSIPATION**		
AMP	ERES	AMPERES		AMPERES		SECONDS	OHMS		WATTS AT		
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 0.25A	AT 20°C		20°C, 30V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.06	0.18	0.05	0.15	0.03	0.09	1.5	3.6	50.0	1.0		

<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** 

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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