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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: microSMD075F

DOCUMENT: SCD25267 REV LETTER: H REV DATE: MAY 13, 2011 PAGE NO.: 1 OF 1

• В

# 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		В		С		D		E
	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:

	CUF	RRENT	RATIN	GS**		TIME TO	RESISTANCE		TRIPPED-STATE
						TRIP**	VALUES		POWER
									DISSIPATION**
AMPERES AMPERES			AMPERES		SECONDS	OHMS		WATTS AT	
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 6V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.86	1.72	0.75	1.50	0.55	1.10	0.1	0.110	0.40	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 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**



\* Halogen Free refers to: Br $\leq$ 900ppm, Cl $\leq$ 900ppm, Br+Cl $\leq$ 1500ppm

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