

## **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

PRODUCT: miniSMDC075F

DOCUMENT: SCD25114

REV LETTER: I **REV DATE: MAY 13, 2011** 

PAGE NO.: 1 OF 1

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# **Specification Status: Released**

### **Maximum Electrical Rating**

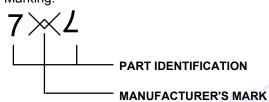
Voltage: 13.2V<sub>DC</sub>

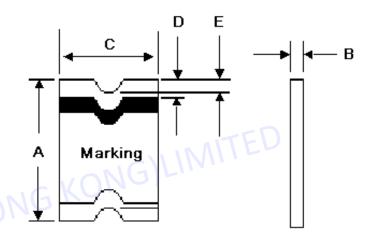
**Short Circuit Current: 100A** 

#### Notes:

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

#### Marking:





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

	Α		В		С		D 10		JE .
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.38	0.62	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.015)	(0.025)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

$ \frac{(0.112) (0.100) (0.013) (0.023) (0.121) (0.134) (0.010) (0.040) (0.000) }{(0.040) (0.040) (0.040) (0.040) (0.040) }  $											
TABLE II. PERFORMANCE RATINGS:											
CURRENT RATINGS **						TIME TO	RESISTANCE		TRIPPED-STATE		
					-61	TRIP **	VALUES		POWER		
			60	VVV					DISSIPATION**		
AMPE	RES	AMPE	RES	AMPE	RES	SECONDS	OHMS		WATTS AT		
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 13.2V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.87	1.74	0.75	1.50	0.49	0.98	0.2	0.11	0.45	1.0		

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

UL, CSA, TÜV Agency Recognitions: 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





© 2006, 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved.

<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