

## Specification Status: Released

### Maximum Electrical Rating

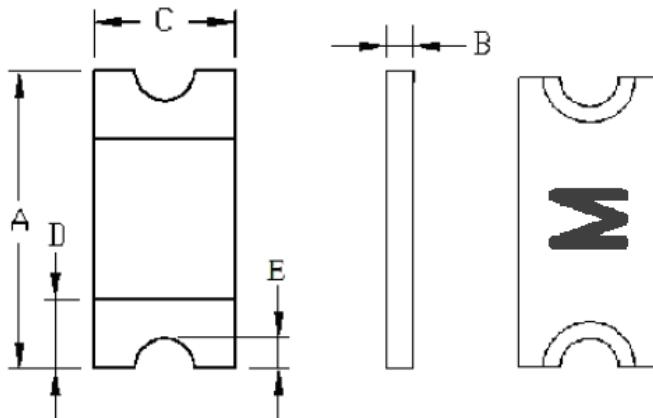
 Voltage: 6.0V<sub>DC</sub>

Short Circuit Current: 40A

#### Notes:

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

Marking: M


**TABLE I. DIMENSIONS:**

	A MIN	A MAX	B MIN	B MAX	C MIN	C MAX	D MIN	D MAX	E MIN
mm:	2.00	2.20	0.63	0.93	1.30	1.50	0.25	0.75	0.076
in:	(0.079)	(0.087)	(0.025)	(0.036)	(0.051)	(0.059)	(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		AMPERES AT 25°C HOLD		AMPERES AT 60°C HOLD		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C MIN	WATTS AT 25°C, 6.0V MAX
0.90	1.80	0.75	1.50	0.55	1.10	0.2	0.10	0.35

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.040"x1.0 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

ELV Compliant

Pb-Free

Halogen Free\*

 Directive 2002/95/EC  
Compliant

 Directive 2000/53/EC  
Compliant


\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: picoSMDC075S**

DOCUMENT: SCD28458

REV LETTER: B

REV DATE: JULY 26, 2016

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