

## Specification Status: Released

### Maximum Electrical Rating

Voltage: 15.0V<sub>DC</sub>

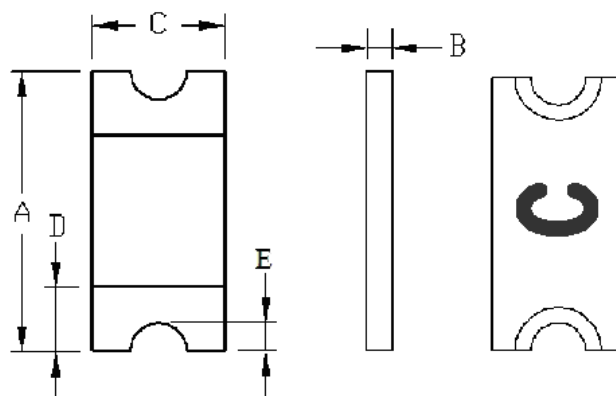
Short Circuit Current: 20A

#### Notes:

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

#### Marking:

C



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	2.00	2.20	0.60	1.00	1.30	1.50	0.25	0.75	0.076
in:	(0.079)	(0.087)	(0.023)	(0.040)	(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		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 0.5A MAX	OHMS AT 25°C	WATTS AT 25°C, 15.0V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*
0.13	0.36	0.10	0.30	0.07	0.21	0.6	1.5	11.0
								0.5

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.020"x1.5 ounce copper traces.

Reference Documents:

PS300, PS400

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\*



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



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

**PRODUCT: PICOASMD010S**

DOCUMENT: SCD29085

REV LETTER: A

REV DATE: SEPTEMBER 26, 2016

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