

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: picoSMDC020S

DOCUMENT: SCD27783 REV LETTER: D

**REV DATE: JULY 26, 2016** 

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## **Specification Status: Released**

#### **Maximum Electrical Rating**

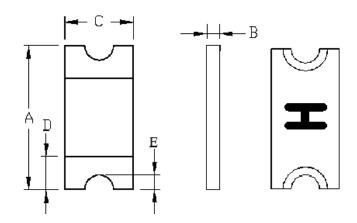
Voltage: 9.0V<sub>DC</sub>

**Short Circuit Current: 100A** 

#### Notes:

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

Marking: H



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

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	2.00	2.20	0.44	0.68	1.30	1.50	0.25	0.75	0.076
in:	(0.079)	(0.087)	(0.017)	(0.027)	(0.051)	(0.059)	(0.010)	(0.030)	(0.003)

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

	CUF	RRENT	RATIN	GS**		TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**	
AMPERES		AMPERES AMPER		RES	SECONDS	OHMS		WATTS AT		
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 2A	AT 25°C		25°C, 9.0V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
0.24	0.57	0.20	0.47	0.15	0.32	0.1	0.75	3.20	0.5	

<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 ELV Compliant

Pb-Free

Halogen Free\*

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



HF

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

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



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