

**Specification Status: Released**

**Maximum Electrical Rating**

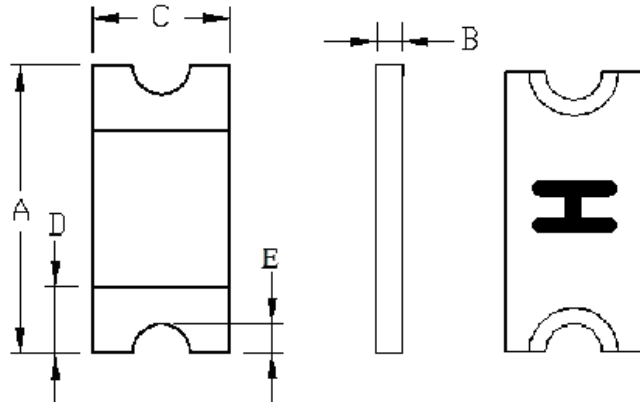
**Voltage: 9.0V<sub>DC</sub>**

**Short Circuit Current: 100A**

**Notes:**

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

Marking: H



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	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:**

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, 2A MAX	OHMS AT 25°C		WATTS AT 25°C, 9.0V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.24	0.57	0.20	0.47	0.15	0.32	0.1	0.75	3.20	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.

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**

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.



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# PolySwitch® PTC Devices

Overcurrent Protection Device

**PRODUCT: picoSMDC020S**

DOCUMENT: SCD27783  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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