

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: picoSMDC010S

DOCUMENT: SCD27972 REV LETTER: D

REV DATE: JULY 26, 2016

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Specification Status: Released

Maximum Electrical Rating

Voltage: 15.0V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking: C

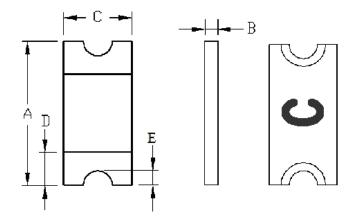


TABLE I. DIMENSIONS:

	А		В		С		D		Е
	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:

7.522 III 210 0100 0100 100 1100 1										
CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**	
AMPE	AMPERES AMPERES AMPERES		SECONDS	OHMS		WATTS AT				
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 0.5A	AT 25°C		25°C, 15.0V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	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.

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

Directive 2000/52

Pb-Free

Halogen Free*



Directive 2000/53/EC Compliant





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

^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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