

Specification Status: Released

Maximum Electrical Rating

Voltage: 6.0V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking: K

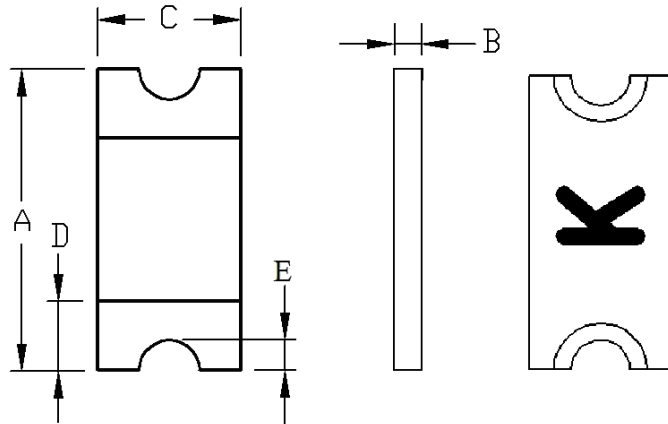


TABLE I. DIMENSIONS:

	A		B		C		D		E
mm:	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
in:	2.00 (0.079)	2.20 (0.087)	0.63 (0.025)	0.93 (0.036)	1.30 (0.051)	1.50 (0.059)	0.25 (0.010)	0.75 (0.030)	0.076 (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, 8A MAX	OHMS AT 25°C		WATTS AT 25°C, 6.0V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.55	1.25	0.50	1.00	0.33	0.63	0.10	0.15	0.80	0.50

* 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

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: picoSMDC050S

DOCUMENT: SCD27916

REV LETTER: D

REV DATE: JULY 26, 2016

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