

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 6Vdc

Interrupt Current: 50A

Chip Size: 2.4x3.3 mm nominal

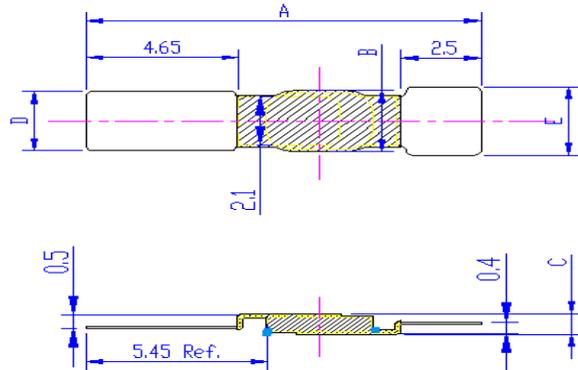
Leads: Nickel 1/2H

0.10mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None



Dimension values on the drawing are for reference only

TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX								
mm:	11.75	12.35	2.3	2.7	0.7	1.0	2.4	2.6	2.8	3.0
in*:	(0.46)	(0.49)	(0.09)	(0.11)	(0.03)	(0.04)	(0.09)	(0.10)	(0.11)	(0.12)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

I HOLD	CURRENT TRIP LIMITS						TIME TO TRIP	REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION
	AMPS 25°C HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 60°C TRIP	SECONDS AT 25°C, 13.5A MAX	OHMS AT 25°C MIN		OHMS AT 25°C MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	WATTS AT 25°C, 6V MAX	
2.5	3.6	8.3	2.5	6.2	1.3	3.3	2.0	0.006	0.016	0.006	0.028	1.0

Agency Recognitions:

UL, CSA, TUV

Reference Documents:

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

Notes:

- Thermal shock: -40°C~+85°C (each 120min, 20 cycles) -> resistance: Max. 40mohms
- High temperature & high humidity: 85°C/85%@3days & 60°C/90%@3days -> resistance: Max. 40mohms

Materials Information:

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: MXP250K

DOCUMENT: SCD28251
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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