

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 6Vdc
Interrupt Current: 50A

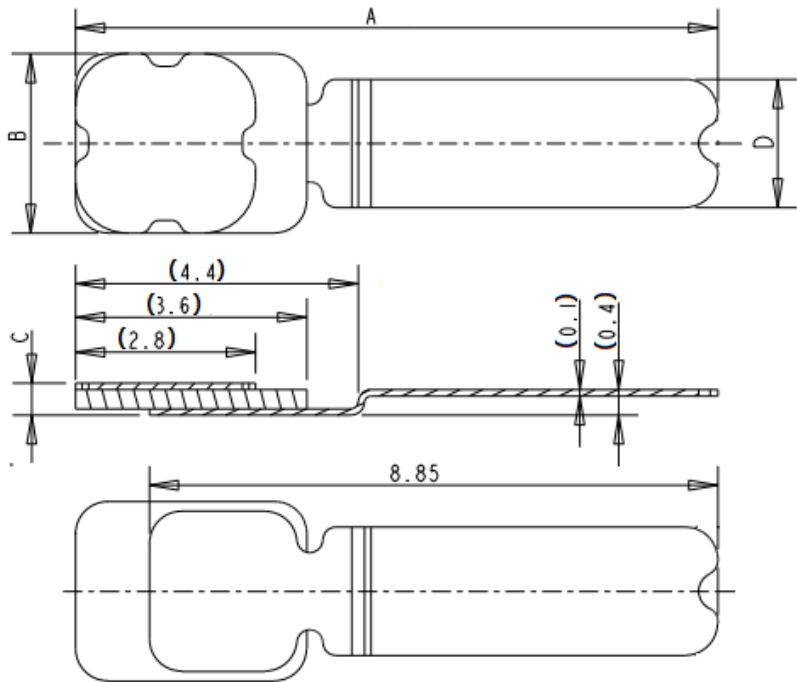
Chip: 3.6mm x 2.8mm

Leads: Nickel 1/2H, 0.10mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None



Notes:
Unspecified dimensions, tolerance should be +/-0.1mm
Dimensions in brackets are for reference

TABLE I. DIMENSIONS:

	A		B		C		D	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	9.7	10.3	2.65	2.95	--	0.65	1.9	2.1
in*:	0.382	0.406	0.106	0.114	--	0.024	0.075	0.083

*Rounded off approximation

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

CURRENT TRIP LIMITS**						TIME TO TRIP**		REFERENCE RESISTANCE		POST REFLOW RESISTANCE**		TRIPPED-STATE POWER DISSIPATION**
AMPS AT °C		AMPS AT 25°C		AMPS AT °C		SECONDS AT 25°C, 15.5A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 6V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX*	MAX
-	-	3.1	11.0	-	-	-	5.0	0.004	0.015	0.004	0.022	1.5

* Maximum resistance is measured at least 24 hours after reflow.

** Values specified were determined using the device reflowed on PCB with 40milx1.6-ounce copper trace.



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PolySwitch® PTC Devices Overcurrent Protection Device

PRODUCT: RSD310

DOCUMENT : SCD28985
REV LETTER : A
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

Agency Recognitions: UL
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.

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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