

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-1300SSF

DOCUMENT: SCD25627

REV LETTER: F REV DATE: JULY 26, 2016

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Specification Status: Released

Maximum Electrical Rating
Operating Voltage: 20Vdc
Interrupt Current: 100A

Chip Size: 9.5x50mm

Leads: Nickel 1/2H

0.3mm nominal thickness

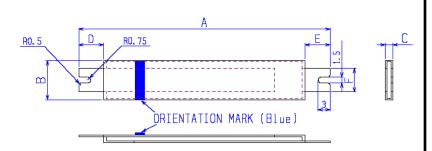
Solder: Lead-free

Tape: Polyester (White)

51.5 mm nominal width

Marking: (Color: Green)

□ □ □ □ — Lot Identification



* Dimension values on the drawing are for reference only.

TABLE I. DIMENSIONS:

	Α		В		С		D		E		F	
	MIN	MAX										
mm:	61.5	66.5	9.4	10.0	0.9	1.3	5.0	7.5	5.0	7.5	5.9	6.1
in*:	(2.42)	(2.62)	(0.37)	(0.39)	(0.04)	(0.05)	(0.20)	(0.30)	(0.20)	(0.30)	(0.23)	(0.24)

^{*}Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS									IE TO RIP	REFERENCE RESISTANCE		ONE-HOUR POST-TRIP		TRIPPED- STATE
													RESIS	STANCE	POWER DISSIPATION
AMPS	AMPS		AMPS		AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT
20°C	AT 0°C		AT 20°C AT		AT 6	60°C AT 7		0°C	20°C, 50.0A		AT 20°C		AT 20°C		20°C, 20V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX
13.0	14.5	23.5	13.0	21.2	9.5	15.7	8.6	14.4		10	0.0035	0.0065	0.0035	0.0090	4.5

Agency Recognition: UL, TUV, CSA 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-<u>Fr</u>ee





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