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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-1300SSF

DOCUMENT: SCD25627
REV LETTER: F
REV DATE: JULY 26, 2016
PAGE NO.: 1 OF 2

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)

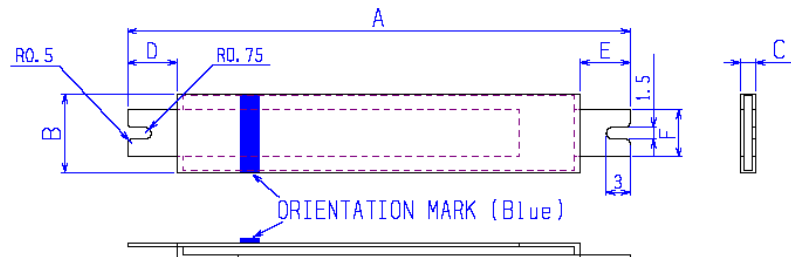
— Manufacturer's Mark

XX EX3

— Part Identification

□□□□

— Lot Identification



* Dimension values on the drawing are for reference only.

TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	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								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED- STATE POWER DISSIPATION	
	AMPS 20°C HOLD	AMPS AT 0°C HOLD	AMPS AT 20°C TRIP	AMPS AT 20°C HOLD	AMPS AT 20°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT 70°C HOLD	AMPS AT 70°C TRIP	SECONDS AT 20°C, 50.0A MIN	SECONDS AT 20°C, 50.0A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX	OHMS AT 20°C MIN		OHMS AT 20°C 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-Free





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