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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-380F

DOCUMENT: SCD25323
REV LETTER: F
REV DATE: JULY 26, 2016

Specification Status: Released

Electrical Rating

Voltage: 15Vdc MAX
Current: 100A MAX

Chip Size: 7 X 14.3mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester (White)
15.3mm nominal width

Marking: (Color: Green)
Manufacturer's Mark
E38 — Part Identification
□□□□ — Lot Identification

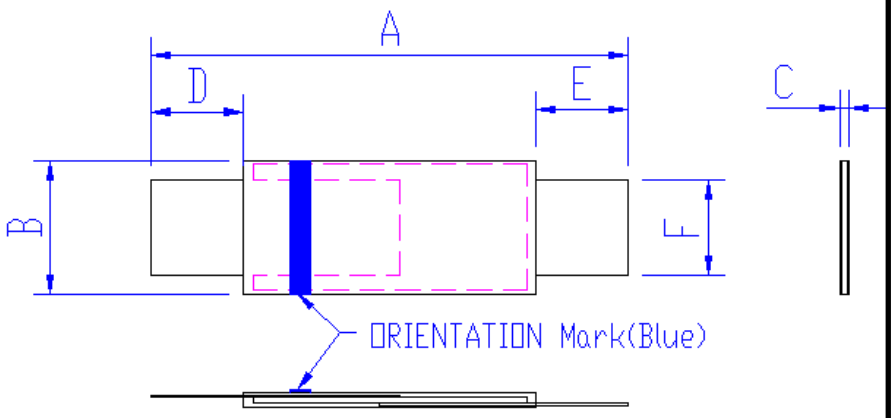


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	24.0	26.0	6.9	7.5	0.6	1.0	4.1	5.5	4.1	5.5	4.9	5.1
in*:	(0.94)	(1.02)	(0.27)	(0.30)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.19)	(0.20)

*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		AMPS AT 20°C		AMPS AT 60°C		SECONDS AT 20°C, 19 A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 15V
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	MAX
3.8	4.4	9.7	3.8	8.3	2.8	6.1	--	5	0.013	0.026	0.013	0.037	2.5

Agency Recognitions: UL, TUV, CSA
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

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Revised July 26,2016

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