Littelfuse
Expertise Applied | Answers Delivered

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-600F

DOCUMENT: SCD25851
REV LETTER: F
REV DATE: JULY 26, 2016

Specification Status: Released

Electrical Rating

Voltage: 20V MAX
Current: 100A MAX

Chip Size: 14.1 x 14.1mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester (White)
15.3mm nominal Width

Solder: Lead-free

Marking: (Color: Green)
- Manufacturer's Mark
- XX E60 — Part Identification
- □□□□ — Lot Identification

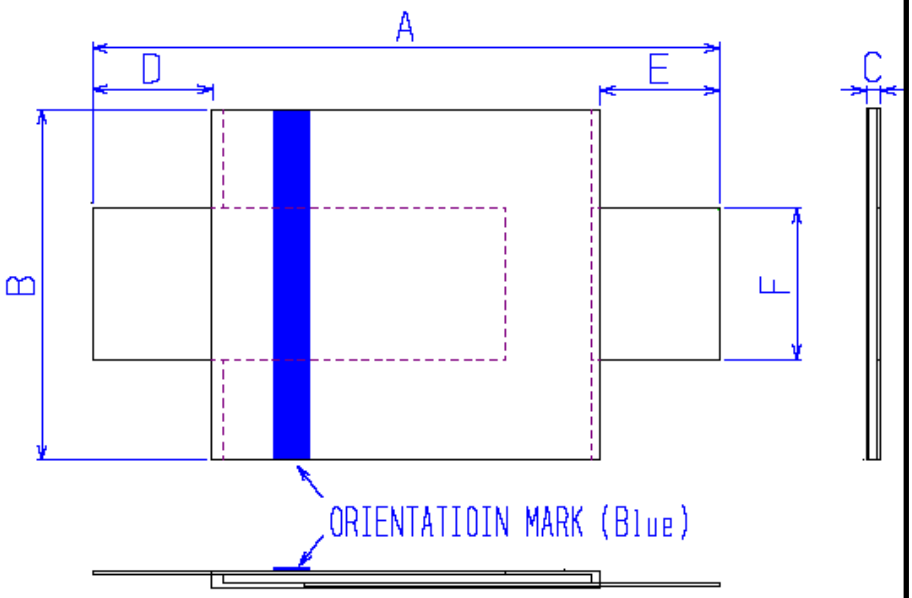


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	24.0	26.0	13.9	14.5	0.6	1.0	4.1	5.5	4.1	5.5	5.9	6.1
in*:	(0.94)	(1.02)	(0.55)	(0.57)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(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		AMPS AT 20°C		AMPS AT 60°C		SECONDS AT 20°C,30.0A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 20V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
6.0	7.1	13.9	6.0	11.7	4.4	8.5	--	5.0	0.007	0.014	0.007	0.019	--	2.8

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

© 2016 Littelfuse,Inc.
Specifications are subject to change without notice.
Revised July 26, 2016

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.

© 2016 Littelfuse,Inc.
Specifications are subject to change without notice.
Revised July 26, 2016