

Specification Status: Released

Electrical Rating

Voltage: 20V MAX

Current: 100A MAX

Chip Size: 10 X 12mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Tape: Polyester (White)

13.0mm nominal Width

Solder: Lead-free

Marking: (Color: Green)

Manufacturer's Mark

XX E45 — Part Identification

□□□□ — Lot Identification

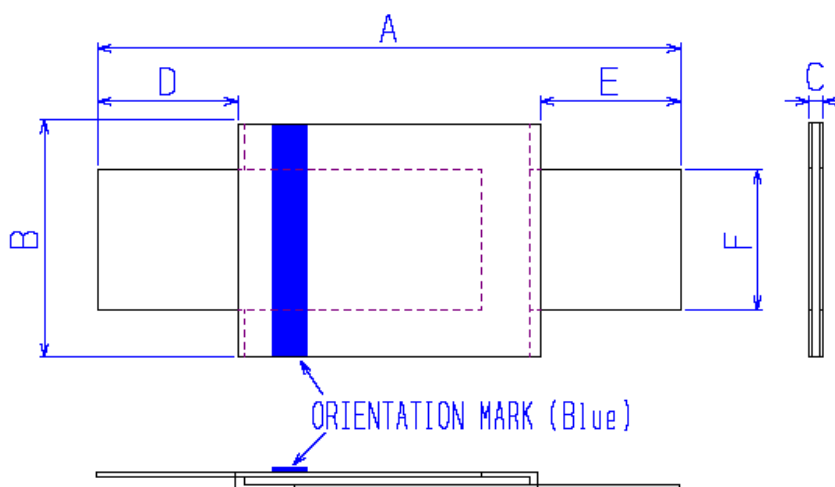


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	24.0	26.0	9.9	10.5	0.6	1.0	5.3	6.7	5.3	6.7	5.9	6.1
in*:	(0.94)	(1.02)	(0.39)	(0.41)	(0.02)	(0.04)	(0.21)	(0.26)	(0.21)	(0.26)	(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		AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 20°C, 22.5A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 20V	
	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX	
	4.5	5.3	10.4	4.5	8.9	3.3	6.5	--	--	--	5	0.011	0.020	0.011	0.028	--	2.3	

Agency Recognitions:

Reference Documents:

Precedence:

Effectivity:

CAUTION:
flame.

UL, TUV, CSA

PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or

Materials Information:

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: LR4-450F

DOCUMENT: SCD25849
PCN: 177226
REV LETTER: D
REV DATE: JULY 26, 2016
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