

## 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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## **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

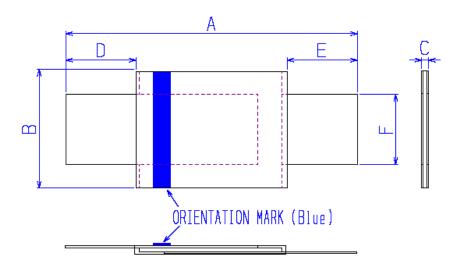
Solder: Lead-free

Marking: (Color: Green)

- Manufacturer's Mark

E45 — Part Identification

Lot Identification



## **TABLE I. DIMENSIONS:**

	Α		В		С			)	E	Ē	F	
	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	E TO	TO REFERENC ONE-HO			HOUR	OUR TRIPPED-	
								TR	RIP		E	POST-TRIP		STATE		
										RESISTAN		RESISTANC		POWER		
									CE			E		DISSIPATION		
AMPS	AMPS		AMPS AMPS		AMPS		SECONDS		OHMS		OHMS		WATTS AT			
20°C	AT 0°C		AT 20°C AT 60°		0°C	AT°C		AT		AT 20°C		AT 20°C		20°C, 20V		
				20°C,22.5A					_		_					
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: 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

lame.

**Materials Information:** 

ROHS Compliant

Directive 2002/95/EC Compliant **ELV Compliant** 

Directive 2000/53/EC Compliant Pb-Free





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