

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-550F

DOCUMENT: SCD25850

PCN: E74816 **REV LETTER: E**

REV DATE: JULY 26, 2016

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Specification Status: Released

Electrical Rating

Voltage: 20V MAX **Current: 100A MAX** Chip Size: 7 X 23mm Leads: Nickel 1/4H

0.125mm nominal

thickness

Tape: Polyester (White)

24mm nominal Width

Solder: Lead-free

Marking: (Color: Green)

 Manufacturer's Mark Part Identification Lot Identification

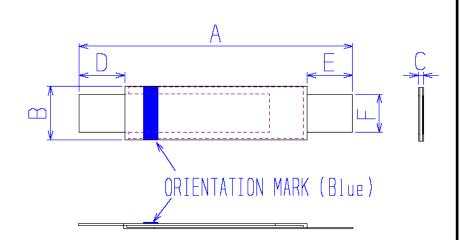


TABLE I. DIMENSIONS:

mm: in*:

Α		В		С		[)		E	F		
MIN	MAX	MIN	MAX									
35.0	37.0	6.9	7.5	0.6	1.0	5.3	6.7	5.3	6.7	4.9	5.1	
(1.38)	(1.46)	(0.27)	(0.30)	(0.02)	(0.04)	(0.21)	(0.26)	(0.21)	(0.26)	(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	E TO	REFERENC ONE-HOUR			TRIPPED-		
									TR	IP .	E		POST-TRIP		STATE	
											RESISTANC RESISTANCE			POWER		
												E			DISSIF	PATION
AMPS	AMPS AMPS			AMPS AMPS			PS	SECONDS OHMS		OHMS		WATTS AT				
20°C	AT 0°C AT 20°C			AT 60°C AT°C			°C	AT AT 20°C		AT 20°C		20°C, 20V				
		_						20°C,27.5A					_			
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
5.5	6.2	12.0	5.5	10.5	4.0	7.8				5	0.009	0.016	0.009	0.022		2.8

Agency Recognitions: UL, TUV, CSA

PS300 Reference Documents:

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

ELV Compliant

Pb-Free

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant





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