

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
XX E55 — Part Identification
□ □ □ □ — Lot Identification

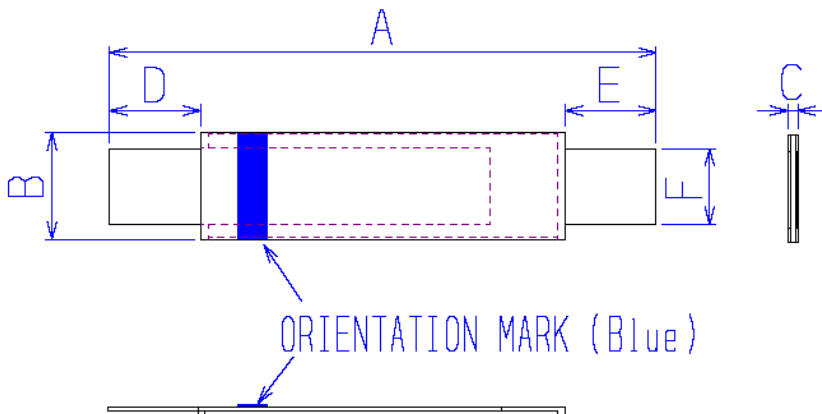


TABLE I. DIMENSIONS:

A		B		C		D		E		F	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
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 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, 27.5A		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
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

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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: LR4-550F

DOCUMENT: SCD25850
PCN: E74816
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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