



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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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

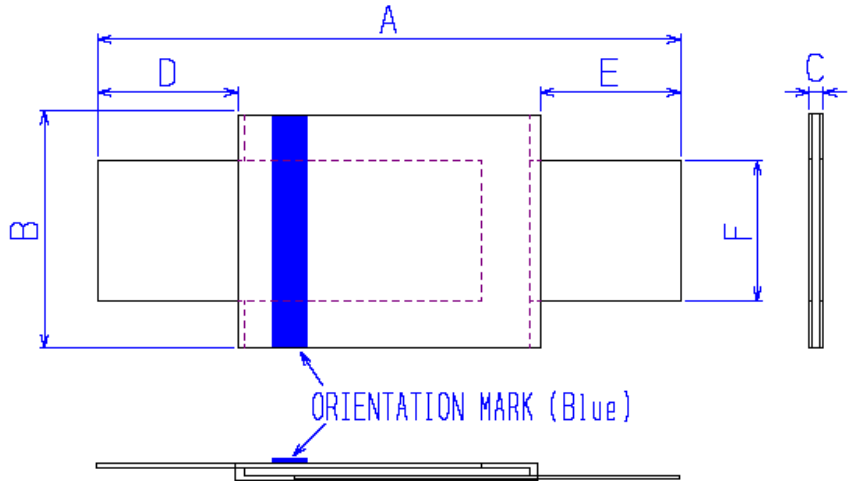
Tape: Polyester (White)  
13.0mm nominal Width

Solder: Lead-free

Marking: (Color: Green)  
Manufacturer's Mark

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	REFERENC E RESISTAN CE	ONE-HOUR POST-TRIP RESISTANC E	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		WATTS AT 20°C, 20V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP					HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	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:

UL, TUV, CSA  
PS300

Effectivity:  
CAUTION:

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 flame.

**Materials Information:**

ROHS Compliant

Directive 2002/95/EC  
Compliant

ELV Compliant

Directive 2000/53/EC  
Compliant

Pb-Free





Expertise Applied | Answers Delivered

**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: LR4-450F**

DOCUMENT: SCD25849  
PCN: 177226  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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