



**THE DATASHEET OF  
SMDC125F/33-2**



**Specification Status: Released**

**Maximum Electrical Rating**

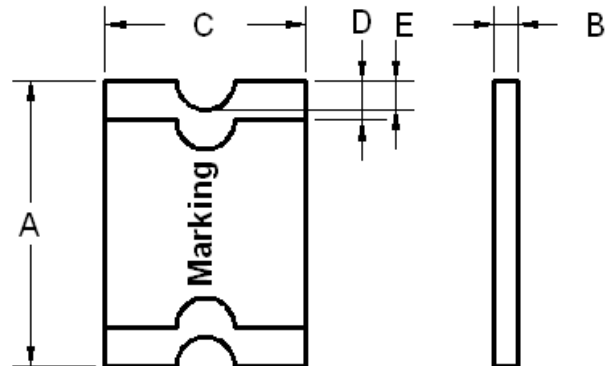
**Voltage: 33V<sub>DC</sub>**  
**Short Circuit Current: 40A**

**Notes:**

1. All terminations are tin plated.
2. Drawing not to scale

**Marking:**

XX125F



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	7.30	7.70	0.45	0.71	4.90	5.30	0.25	0.95	0.20
in:	(0.29)	(0.30)	(0.02)	(0.03)	(0.19)	(0.21)	(0.01)	(0.04)	(0.01)

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C		WATTS AT 25°C, 33V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.55	3.10	1.25	2.50	0.84	1.68	2.0	0.04	0.25	1.5

\* Maximum resistance is measured 1 hour after reflow

\*\* Values Specified were determined using PCB's with 0.150"X1.5 ounce copper traces.

Agency Recognition: UL

Reference Document: 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**



**ELV Compliant**



**Pb-Free**



**Halogen Free\***



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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**PTC Devices**  
Overcurrent Protection Device

**PRODUCT: SMDC125F/33**

DOCUMENT: SCD28848  
REV LETTER: A  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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