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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC030F

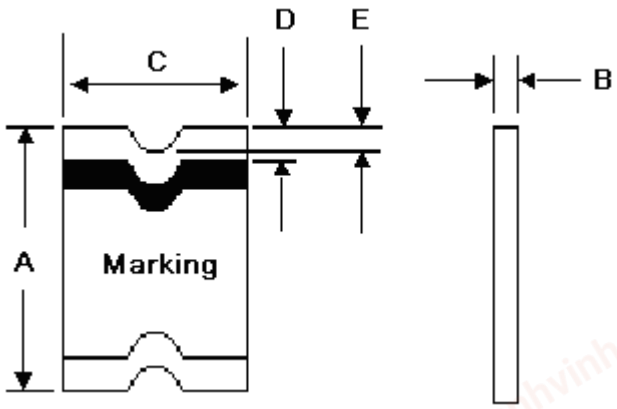
DOCUMENT: SCD27765
REV LETTER: D
REV DATE: JULY 26, 2016

Specification Status: Released

Maximum Electrical Rating

Voltage: 30V_{DC}
Short Circuit Current: 40A

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



Marking:

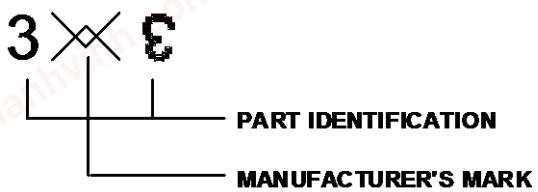


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.635	0.890	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

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, 8A	OHMS AT 25°C		WATTS AT 25°C, 30V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.39	0.72	0.30	0.60	0.22	0.40	0.1	0.20	1.75	0.8

* Maximum resistance is measured 1 hour after reflow
** Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.
Agency Recognition: UL, CSA, TÜV
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 — Directive 2002/95/EC Compliant

ELV Compliant — Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*

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

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