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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMD050F

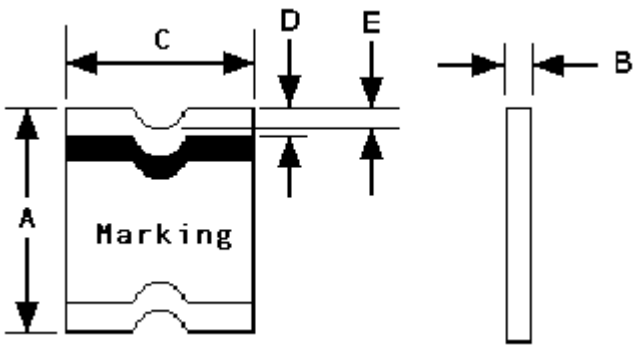
DOCUMENT: SCD25266
REV LETTER: H
REV DATE: JULY 26, 2016

Specification Status: Released

Maximum Electrical Rating

Voltage: 13.2V_{DC}
Short Circuit Current: 40A

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



Marking:

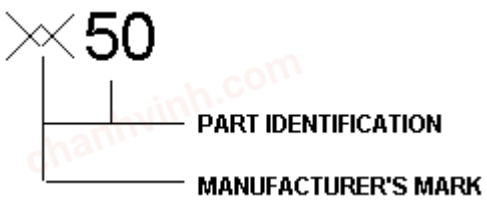


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.38	0.62	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.015)	(0.025)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A	OHMS AT 20°C		WATTS AT 20°C, 13.2V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.58	1.16	0.50	1.00	0.35	0.70	0.05	0.25	0.90	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 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
Halogen Free* — HF

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

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