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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC020F

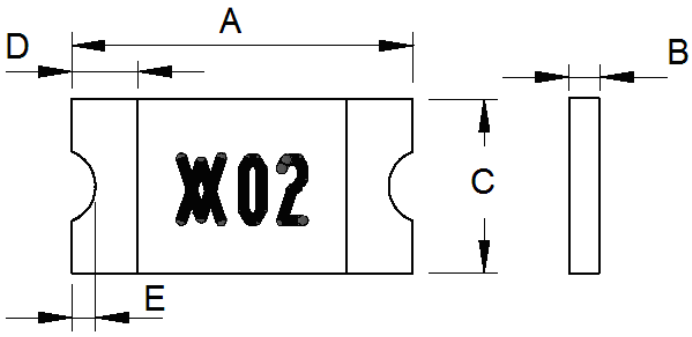
DOCUMENT: SCD25536
REV LETTER: J
REV DATE: July 26, 2016
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Specification Status: Released

Maximum Electrical Rating

Voltage: $24V_{DC}$
Short Circuit Current: 100A

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



Marking:

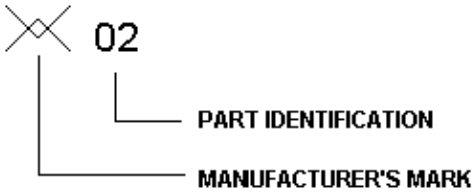


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.58	0.82	1.37	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.023)	(0.032)	(0.054)	(0.071)	(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 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 8.0A	OHMS AT 25°C		WATTS AT 25°C, 24V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.26	0.54	0.20	0.42	0.13	0.27	0.1	0.65	3.1	0.6

* Resistance is measured 1 hour after reflow.
** Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognitions: 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 2000/53/EC Compliant

ELV Compliant
Directive 2002/95/EC Compliant

Pb-Free

Halogen Free*
HF

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

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Specifications are subject to change without notice.
Revised July 26, 2016

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