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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDH075F

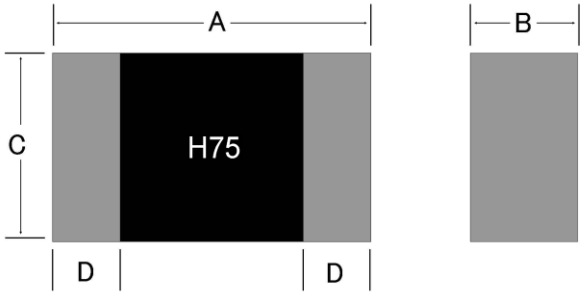
DOCUMENT: SCD27504
REV LETTER: B
REV DATE: JULY 26, 2016

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: $6V_{DC}$
Short Circuit Current: 10A

Notes:
1. All terminations are Nickel-Tin plated.
2. Drawing not to scale



Marking:





TABLE I. DIMENSIONS:

	A		B		C		D	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	3.00	3.40	0.60	1.00	1.40	1.80	0.20	0.80
in:	(0.118)	(0.134)	(0.023)	(0.040)	(0.055)	(0.071)	(0.008)	(0.032)

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 85°C		SECONDS AT 25°C, 8A	OHMS AT 25°C		WATTS AT 25°C, 6V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.90	2.40	0.75	2.00	0.50	1.34	0.10	0.10	0.36**	1.1

*Maximum resistance is measured 1 hour after reflow.
** Values specified were determined using PCB's with 0.030"X1.0 ounce copper traces.

Agency Recognition: None
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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