

PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: nanoSMDH075F

DOCUMENT: SCD27504 **REV LETTER: B**

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: RELEASED

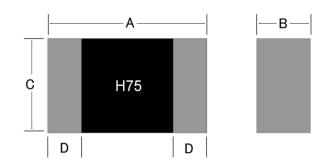
Maximum Electrical Rating

Voltage: 6VDC

Short Circuit Current: 10A

Notes:

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



Marking:

H75-PART IDENTIFICATION

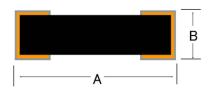


TABLE I. DIMENSIONS:

	Α		ן В)	l 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)	(800.0)	(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		RES 5°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.

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*

^{**} Values specified were determined using PCB's with 0.030"X1.0 ounce copper traces.

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



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