Tyco / Electronics Raychem Circuit Protection

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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC075F

DOCUMENT: SCD 25128

PCN: E65718 REV LETTER: H

REV DATE: MAY 11, 2006

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 6.0V_{DC} MAX Short Circuit Current: 100A

Notes:

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

Marking:



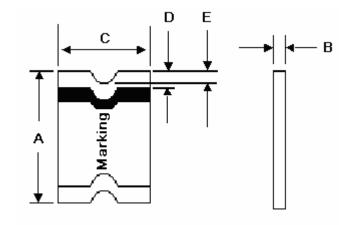


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.40	0.28	0.48	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.011)	(0.019)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABL II. PERFORMANCE RATINGS:

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CURRENT RATINGS**						TIME TO RESISTAL		TANCE	TRIPPED-STATE		
						TRIP**	VALUES		POWER		
									DISSIPATION**		
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT		
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 8.0A	AT 25°C		25°C, 6.0V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.92	1.87	0.75	1.50	0.58	1.14	0.1	0.12	0.40	0.8		

^{*}Maximum resistance is measured 1 hour after reflow.

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

ELV Compliant

Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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^{**} Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.