Tyco / Electronics Raychem Circuit Protection

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Circuit Protection® PTC Devices

Overcurrent Protection Device

PRODUCT: SMD050-2018

DOCUMENT: SCD 24697

PCN: 175564 REV LETTER: E

REV DATE: JANUARY 22, 2002

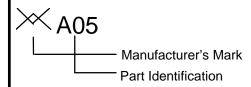
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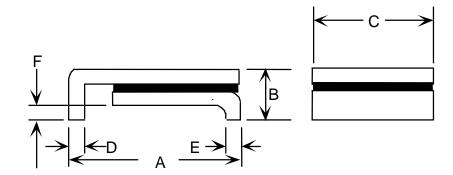
Specification Status: Released

Maximum Electrical Ratings

Voltage: 57 V_{DC} Current: 10 A

Marking:





Notes:

- 1. All metal surfaces are tin plated.
- 2. Devices cannot be wave soldered.
- 3. Drawing not to scale.

TABLE I. DIMENSIONS:

	Α		В		С		D		Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	4.72	5.44		1.78	4.22	4.93	0.25	0.36	0.25	0.36	0.30	0.46
in*:	(0.186)	(0.214)		(0.070)	(0.166)	(0.194)	(0.010)	(0.014)	(0.010)	(0.014)	(0.012)	(0.018)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

	CUF	RRENT	RATIN	GS**		TIME TO			TRIPPED-STATE	
						TRIP **	VALUES		POWER DISSIPATION**	
AMPE	AMPERES AMPERES AMPERES				RES	SECONDS	OHI	MS	WATTS AT	
AT 0°C		AT 20°C		AT 70°C		AT 20°C, 2.5A	AT 20°C		20°C	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
0.70	1.61	0.55	1.20	0.36	0.67	5.0	0.2	0.7	0.8	

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

Reference Documents: PS300, E.N. SMD 1.0x

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.

^{**}Values specified were determined using PCB's with 0.030"x1.5ounce copper traces