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Raychem Circuit Protection
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Circuit Protection®
PTC Devices
 Overcurrent Protection Device

PRODUCT: SMD050-2018

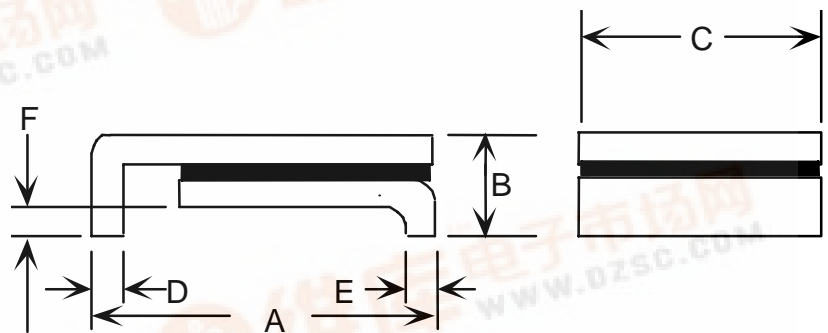
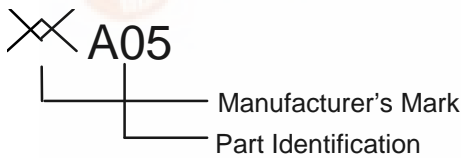
DOCUMENT: SCD 24697
 PCN: 175564
 REV LETTER: E
 REV DATE: JANUARY 22, 2002
 PAGE NO.: 1 OF 1

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:

	A		B		C		D		E		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:

CURRENT RATINGS**						TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 70°C		SECONDS AT 20°C, 2.5A MAX	OHMS AT 20°C		WATTS AT 20°C
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		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

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

Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

PS300, E.N. SMD 1.0x
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

