Tyco / Electronics Raychem Circuit Protection

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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMD175F

DOCUMENT: SCD 25626 PCN: A00055, RF0496 REV LETTER: D

REV DATE: JANUARY 12, 2006

PAGE NO.: 1 OF 1

Specification Status: Released

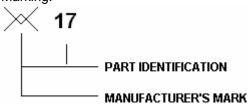
Maximum Electrical Rating

Voltage: 6V_{DC} Current: 40A

Notes:

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

Marking:



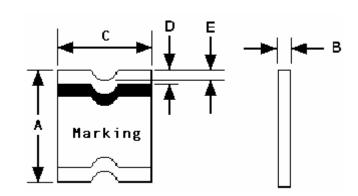


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.40	0.76	2.35	2.80	0.25	0.75	0.20
in:	(0.118)	(0.135)	(0.016)	(0.030)	(0.092)	(0.110)	(0.010)	(0.030)	(0.008)

TABLE II. PERFORMANCE RATINGS:

CU	RRENT I	RATING	3S**		TIME TO	RESISTANCE		TRIPPED-STATE			
					TRIP**	VALUES		POWER			
								DISSIPATION**			
AMPERES AMPERES AMPERE			ERES	SECONDS	OHMS		WATTS AT				
AT 0°C	AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 6V			
HOLD TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
2.10 4.20	1.75	3.50	1.35	2.70	0.8	0.025	0.080	0.8			

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

Agency Recognitions: UL, CSA, TÜV

Reference Documents: PS300, E. N. SMD1.0x

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.

Materials Information

ROHS Compliant

Directive 2002/95/EC Compliant

ELV Compliant

Directive 2000/53/EC Compliant

Pb-Free



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