Raychem Circuit Protection 308 Constitution Drive Menlo Park, CA 94025-1064 800-227-4856 FAX 800-227-4866

RAYCHEM

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC075

DOCUMENT: SCD 23259

PCN: 242001 **REV LETTER: H**

REV DATE: OCTOBER 24, 2000

PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating

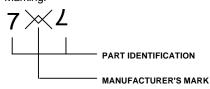
Voltage: 13.2V_{DC}

Short Circuit Current: 100A

Notes:

- 1. All terminations are tin/lead plated.
- 2. Devices can be wave soldered.
- 3. Drawing not to scale

Marking:



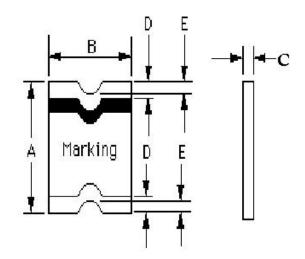


TABLE I. DIMENSIONS:

	Α		В		C		D	E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
mm:	4.37	4.73	3.07	3.41	0.38	0.62	0.30	0.25	0.50
in:	(0.172)	(0.186)	(0.121)	(0.134)	(0.015)	(0.025)	(0.012)	(0.010)	(0.020)

TABLE II. PERFORMANCE RATINGS:

	7.522 III 1 2.11 01(III) 111001											
ı	IHOLD **	HOLD CURR	ENT AT TEMP	TIME TO	RESISTANCE		**TRIPPED-STATE					
ı	RATED			TRIP **	VALUES		POWER					
ı	CURRENT				@ 8.0A			DISSIPATION				
ı	AMPERES	AMPERES	AMPERES	AMPERES	SECONDS	OHMS		WATTS AT				
ı	AT 20°C	AT - 40°C	AT 20°C	AT 60°C	AT 20°C	AT 20°C		20°C				
ı	HOLD	HOLD	HOLD	HOLD	MAX	MIN		MAX				
l						MAX*						
	0.75	0.81	0.75	0.49	0.2	0.11	0.45	1.0				

Maximum resistance is measured 1 hour after reflow.

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

This specification takes precedence over documents referenced herein. Precedence:

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"X1.5 ounce copper traces.