Tyco / Electronics
Raychem Circuit Protection
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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDM160

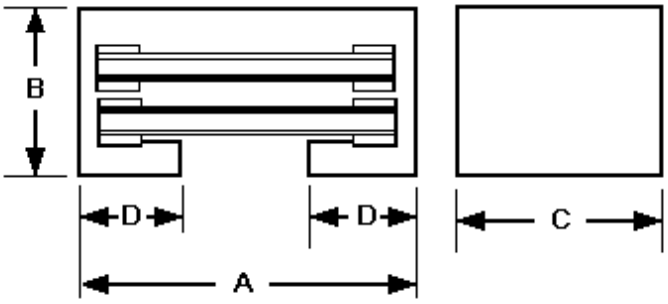
DOCUMENT: SCD 24370
PCN: 517929
REV LETTER: B
REV DATE: MARCH 28, 2002
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: $8V_{DC}$
Current: 40A

Notes:
1. All terminations are gold plated.
   Partial coverage of plating with solder may occur without effect on solderability or electrical performance
2. Devices cannot be wave soldered.
3. Drawing not to scale



Marking:

XX —— Manufacturer's Mark

160 —— Part Identification

□□□□— Lot Identification

TABLE I. DIMENSIONS:

	A		B		C		D	
	MIN	MAX	MIN	MIN	MAX	MAX	MIN	MAX
mm:	4.35	4.75	1.75	2.00	3.05	3.60	1.4	1.7
in:*	(0.172)	(0.187)	(0.069)	(0.079)	(0.120)	(0.142)	(0.055)	(0.067)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS **						TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 8.0A	OHMS AT 25°C		WATTS AT 25°C, 8.0V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
1.80	3.15	1.60	2.80	1.14	2.00	2.0	0.033	0.099	0.8

*Maximum resistance is measured 1 hour after reflow.
** Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

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.