



308 Constitution Drive
Menlo Park, CA 94025-1164
Phone: 800-227-4856
www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: miniSMDC020F

DOCUMENT: SCD 25272
REV LETTER: H1
REV DATE: 15-Apr-11
PAGE NO.: 1 OF 1

Specification Status: Released

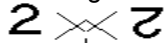
Maximum Electrical Rating

Voltage: 30V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking:



PART IDENTIFICATION
MANUFACTURER'S MARK

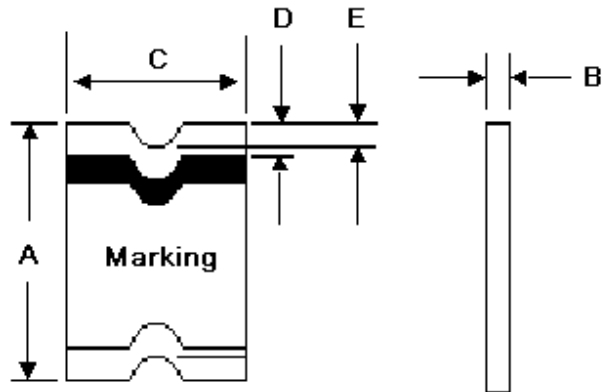


TABLE I. DIMENSIONS:

	A		B		C		D		E
mm:	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
in:	4.37	4.73	0.635	0.89	3.07	3.41	0.25	0.95	0.20
	(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

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 60°C		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C		WATTS AT 20°C, 30V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	MAX
0.23	0.46	0.20	0.40	0.13	0.26	0.02	0.60	3.30	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.

Agency Recognitions: UL, CSA, TÜV
 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.

Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



Halogen Free*



* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm