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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: miniSMDC125F/16

DOCUMENT: SCD 25618
REV LETTER: F1
REV DATE: 15-Apr-11
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 16V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:

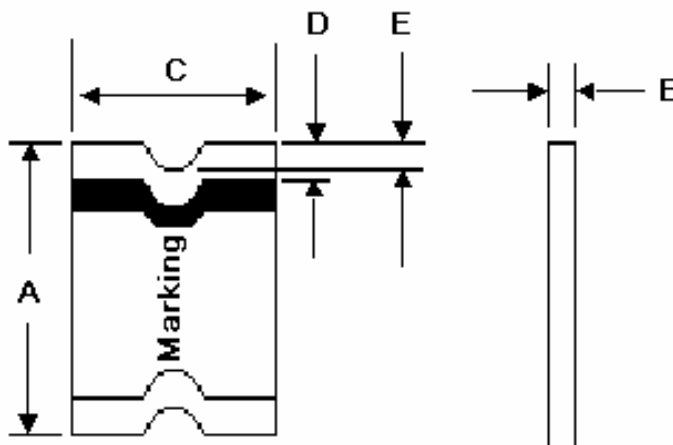
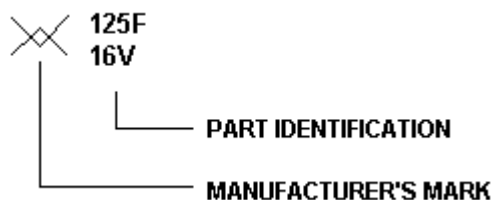


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.83	0.28	0.48	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.190)	(0.011)	(0.019)	(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, 16V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.47	2.94	1.25	2.50	0.90	1.80	0.4	0.050	0.140	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 Recognition:

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