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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMD200F

DOCUMENT: SCD 25271

REV LETTER: F

REV DATE: MARCH 6, 2009

PAGE NO.: 1 OF 1

Raychem Circuit Protection Products

Specification Status: Released

Maximum Electrical Rating

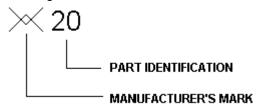
Voltage: 6.0V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:



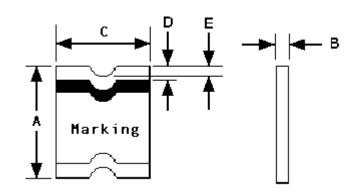


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.43	0.79	1.17	2.35	2.80	0.25	0.75	0.076
(0.118)	(0.135)	(0.031)	(0.046)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

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	CU	RRENT	RATIN	IGS**		TIME TO RESISTANCE TRIP** VALUES		_	TRIPPED-STATE POWER DISSIPATION**		
AMPERES AT 0°C HOLD TRIP		AMPERES AT 20°C HOLD TRIP		AMPERES AT 60°C HOLD TRIP		SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C MIN MAX*		WATTS AT 20°C, 6.0V MAX		
2.35	4.7	2.0	4.0	1.5	3.0	2.5	0.02	0.06	0.8		

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

Agency Recognition: UL, CSA, TUV 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*



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^{**} Values specified were determined using PCB's with 0.030" x 1.5 ounce copper traces.

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