Tyco / Electronics Raychem Circuit Protection

308 Constitution Drive Menlo Park, CA 94025-1164

Phone: 800-227-4856 Fax: 800-227-4866

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: AHS080-2018

DOCUMENT: SCD24509

PCN: 536076 REV LETTER: D

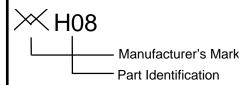
REV DATE: AUGUST 15, 2002

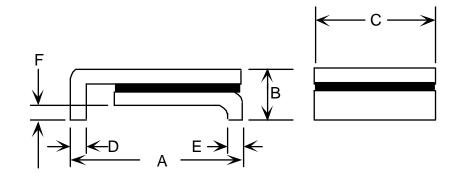
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Specification Status: Released

Maximum Electrical Ratings Operating Voltage / Interrupt Current 16Vdc / 70A

Marking:





Notes:

- 1. All metal surfaces are tin plated.
- 2. Devices cannot be wave soldered.
- 3. Drawing not to scale.

TABLE I. DIMENSIONS:

	Α		В		С		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	4.72	5.44	-	1.52	4.22	4.93	0.25	0.36	0.25	0.36	0.30	0.46
in*:	(0.186)	(0.214)	-	(0.060)	(0.166)	(0.194)	(0.010)	(0.014)	(0.010)	(0.014)	(0.012)	(0.018)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

	CURRENT	TIME TO TRIP**	RESISTANO VALUES		TRIPPED-STATE POWER DISSIPATION**					
	AM AT 2	SECONDS AT 20°C, 8.0A	OHMS AT 20°C		WATTS AT 20°C					
	HOLD	TRIP	MAX	MIN	MAX*	TYP.				
	0.80	2.00	9.0	0.130	0.550	1.5				

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

Reference Documents: PS400, 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.

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^{**} Values specified were determined using PCB's with 0.120"X2.0 ounce copper traces.