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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

DOCUMENT: SCD 24509

REV LETTER: F

REV DATE: APRIL 10, 2008

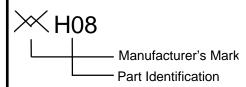
PRODUCT: AHS080-2018

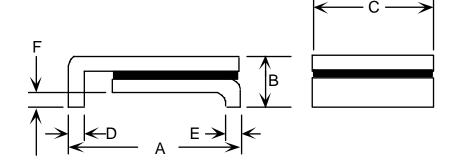
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Specification Status: Released

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		Е		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)

TABLE II. PERFORMANCE RATINGS:

TABLE II. FERTORI	MANCE NATINGS.					
CURRENT	TIME TO	RESISTANCE		TRIPPED-STATE		
		TRIP**	VALUES		POWER	
				DISSIPATION**		
AM	PS	SECONDS AT	OHMS		WATTS AT	
AT 2	20°C	20°C, 8.0A	AT 20°C		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.

Materials Information

ROHS Compliant

Directive 2002/95/EC Compliant **ELV Compliant**

Directive 2000/53/EC Compliant Pb-Free



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