

Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 800-227-4856
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R
Circuit Protection®
PTC Devices
 Overcurrent Protection Device

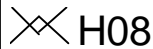
PRODUCT: AHS080-2018

DOCUMENT: SCD24509
 PCN: 536076-000
 REV LETTER: C
 REV DATE: July 7, 2000
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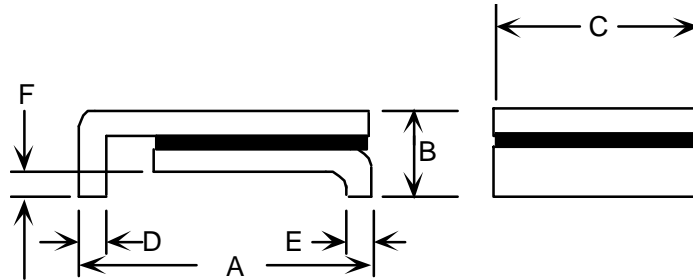
Specification Status: Released

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

Marking:



— Manufacturer's Mark
 — Part Identification



Notes:

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

TABLE I. DIMENSIONS:

	A		B		C		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 RATINGS			TIME TO TRIP	REFERENCE RESISTANCE VALUES (PRE REFLOW)	ONE-HOUR POST SOLDER RESISTANCE (220°C, 30 SEC)	TRIPPED-STATE POWER DISSIPATION
HOLD	AMPS AT 25°C		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C		WATTS AT 25°C TYP.
	TRIP			MIN	MAX*	
0.80		2.00	9.0	0.170	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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TEST PROCEDURES AND REQUIREMENTS FOR AHS080-2018

ELECTRICAL STRESS TESTS

TEST CONDITIONS

ESD Voltage Withstand	25kV
Short Circuit Fault Current Durability	25 Cycles, 16V, 200A
Fault Current Durability	350 Cycles, 16V, 100A
End-of-Life Mode Verification	1750 Cycles, 16V, 100A
Load Dump Endurance	10 Cycles, 86.5V