

PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: AHS160

DOCUMENT: SCD25037

REV LETTER: F

REV DATE: JULY 26, 2016

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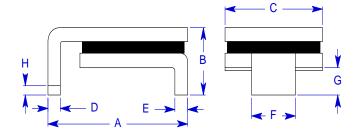
Specification Status: Released

Maximum Electrical Rating Operating Voltage / Interrupt Current 16V_{DC} / 70A

Marking:

160 — Part Identification Manufacturer's Mark

□□□□ — Lot Identification



Notes:

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

TABLE I. DIMENSIONS:

	Α		В		С		D		E		F		G		Н
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	8.0	9.4		3.0	6.0	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43
in*:	(0.315)	(0.370)		(0.118)	(0.24)	(0.264)	(0.022)	(0.028)	(0.022)	(0.028)	(0.145)	(0.155)	(0.026)	(0.054)	(0.017)

TABLE II. PERFORMANCE RATINGS:

	CU	RRENT	RATING	iS**		TIME TO			TRIPPED-STATE	
						TRIP**	VAL	UES	POWER DISSIPATION**	
AM	IPS	AM	PS	AMPS		SECONDS AT	OHMS		WATTS AT	
AT 0°C		AT 20°C		AT 60°C		20°C, 8.0A	AT 20°C		20°C	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
1.78	3.56	1.60	3.20	1.24	2.48	15	0.050	0.150	2.2	

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

Reference Documents: PS300, PS400

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 ELV Compliant

Halogen Free* Pb-Free



Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant

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

^{**} Values specified were determined using PCB's with 0.140" x 2.0 ounce copper traces.



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