

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: AHS300

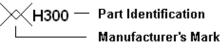
DOCUMENT: SCD27199 REV LETTER: E

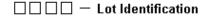
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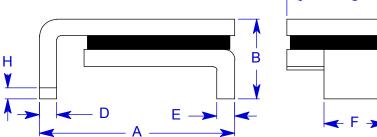
Specification Status: Released

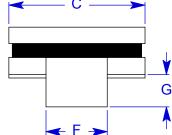
Maximum Electrical Rating Operating Voltage / Interrupt Current 16V_{DC} / 70A

Marking:









Notes:

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

TABLE I. DIMENSIONS:

	Α		В		С		D		Е		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:

TABLE II. I ERI ORMANCE RATINGS.											
	CU	RRENT	RATING	S**		TIME TO	RESIS	TANCE	TRIPPED-STATE		
						TRIP**	VALUES		POWER		
		-							DISSIPATION**		
AM	AMPS		PS	AMPS		SECONDS AT	OHMS		WATTS AT		
AT 0°C		AT 2	20°C	AT 60°C		20°C, 15.0A	AT 20°C		20°C		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
3.7	7.4	3	6	2.1	4.2	8	0.024	0.083	3		

^{*} 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

Pb-Free

Halogen Free*



Directive 2002/95/EC

Directive 2000/53/EC

* 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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