

MODEL: PJ-002AH-SMT | **DESCRIPTION:** DC POWER JACK**FEATURES**

- high current rating: 5A
- internal switch
- RoHS compliant

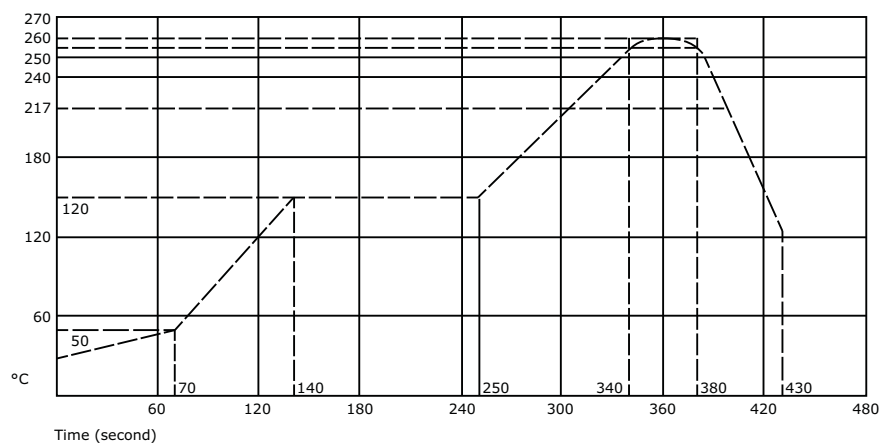
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			16		Vdc
rated input current				5	A
contact resistance	between terminal and mating plug between terminal in a closed circuit ¹			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
RoHS	yes				

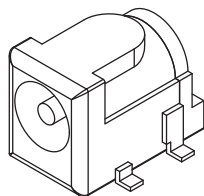
Notes: 1. When measured at a current of less than 100 mA / 1 kHz
2. Add suffix "-TR" to the model number for tape & reel packaging

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C

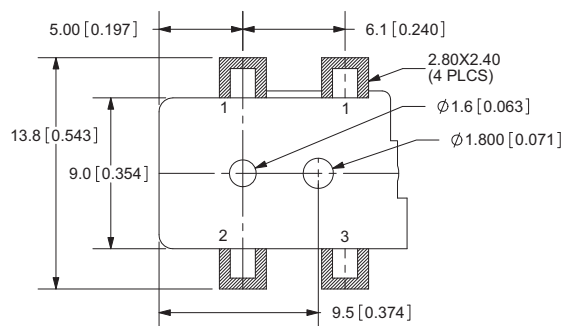
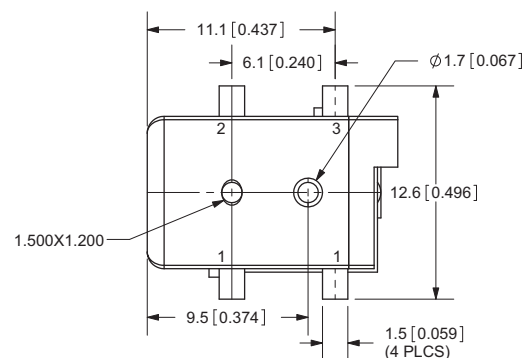
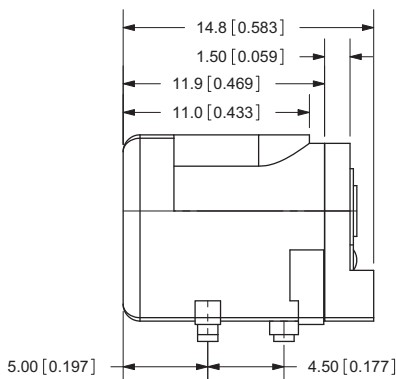


tolerance: X.X $\pm 0.2\text{mm}$
X.XX $\pm 0.1\text{mm}$
X.XXX $\pm 0.05\text{mm}$

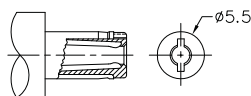


Technical drawing of a square component with dimensions and tolerances:


- Overall width: 9.00 [0.354]
- Overall height: 11.0 [0.433]
- Inner square width: 6.5 [0.256]
- Inner square height: 6.5 [0.256]
- Outer hole diameter: $\phi 6.50$ [0.256]
- Inner hole diameter: $\phi 2.0$ [0.079]
- Bottom flange thickness: 1.2 [0.047] (2 PLCS)
- Bottom flange outer diameter: $\phi 0.2$ [0.008] +0.03 -0.1



PCB LAYOUT
TOP VIEW



MATING PLUG
Jack Insertion Depth: 8.9 mm

SCHEMATIC	
Model	Center Pin
PJ-002AH-SMT	ø2.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	10/19/2005
1.01	updated operating temperature	6/17/2011
1.02	added jack insertion depth	09/13/2012
1.03	added TR package option	11/28/2012

The revision history provided is for informational purposes only and is believed to be accurate.



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