# **MODEL:** PJ-002BH-SMT | **DESCRIPTION:** DC POWER JACK

**FEATURES**

- designed for pick and place
- 5A current rating
- narrow footprint



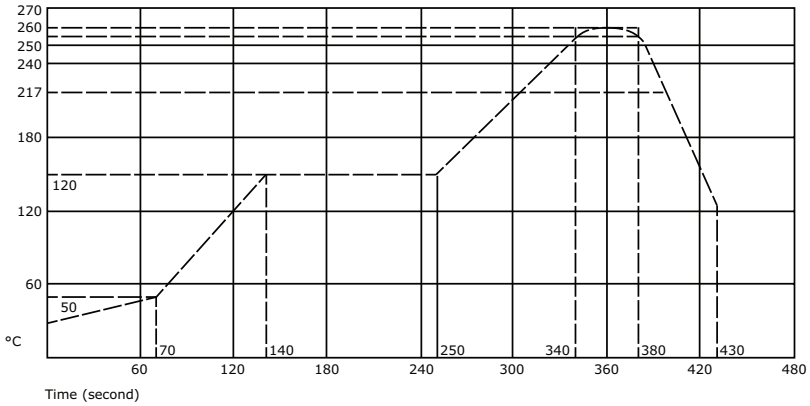
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 16 | | Vdc |
| rated input current | | | | 5 | A |
| contact resistance | between terminal and mating plug<br>between terminal in a closed circuit[1] | | | 50<br>30 | mΩ<br>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

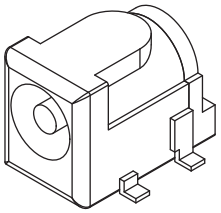
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reflow soldering | see reflow profile | 255 | 260 | 265 | °C |



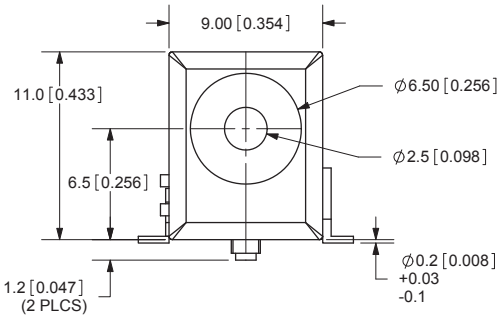
## MECHANICAL DRAWING

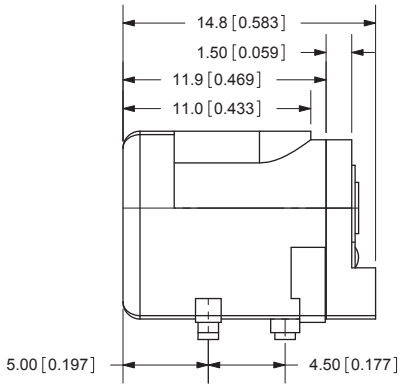
units: mm[inches]

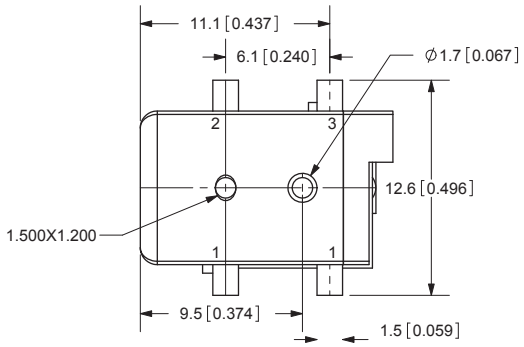
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm

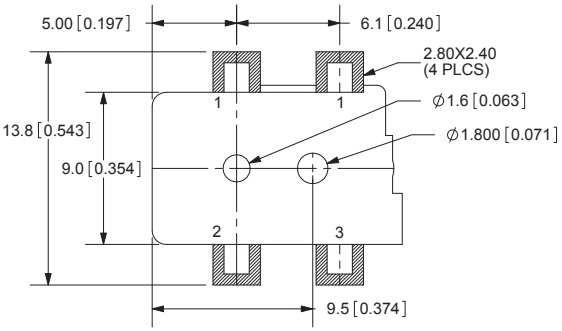


| | MATERIAL | PLATING |
|---|---|---|
| centre pin | brass | nickel plated |
| terminal 1 | brass | silver plated |
| terminal 2 | copper alloy | silver plated |
| terminal 3 | brass | silver plated |
| plastic | PA6T | |

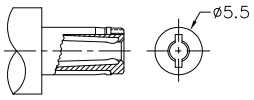


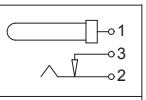




PCB LAYOUT
TOP VIEW




MATING PLUG
Jack Insertion Depth: 8.9 mm

| SCHEMATIC |  |
|---|---|
| Model | Center Pin |
| PJ-002BH-SMT | ø2.5 mm |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 10/19/2005 |
| 1.01 | updated operating temperature | 06/20/2011 |
| 1.02 | updated spec, added jack insertion depth | 10/12/2012 |
| 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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