MODEL: PJ-002A  |  DESCRIPTION: DC POWER JACK

FEATURES
• 2.0 mm center pin
• 2.5 A rating
• right-angle orientation
• through hole

SPECIFICATIONS

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>rated input voltage</td>
<td></td>
<td>24</td>
<td></td>
<td></td>
<td>Vdc</td>
</tr>
<tr>
<td>rated input current</td>
<td></td>
<td>2.5</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>contact resistance(^1)</td>
<td>between terminal and mating plug</td>
<td>50</td>
<td>30</td>
<td></td>
<td>mΩ</td>
</tr>
<tr>
<td></td>
<td>between terminal in a closed circuit</td>
<td></td>
<td></td>
<td></td>
<td>mΩ</td>
</tr>
<tr>
<td>insulation resistance</td>
<td>at 500 Vdc</td>
<td>100</td>
<td></td>
<td></td>
<td>Ω</td>
</tr>
<tr>
<td>voltage withstand</td>
<td>at 50/60Hz for 1 minute</td>
<td>500</td>
<td></td>
<td></td>
<td>Vac</td>
</tr>
<tr>
<td>insertion/withdrawal force</td>
<td></td>
<td>0.3</td>
<td>3</td>
<td></td>
<td>kg</td>
</tr>
<tr>
<td>terminal strength</td>
<td>any direction for 10 seconds</td>
<td>500</td>
<td></td>
<td></td>
<td>g</td>
</tr>
<tr>
<td>operating temperature</td>
<td></td>
<td>-25</td>
<td>85</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>life</td>
<td></td>
<td>5,000</td>
<td></td>
<td></td>
<td>cycles</td>
</tr>
</tbody>
</table>

Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>wave soldering</td>
<td>dipped in solder pot for 5 ±0.5 seconds</td>
<td>255</td>
<td>260</td>
<td>265</td>
<td>°C</td>
</tr>
</tbody>
</table>
### MECHANICAL DRAWING

units: mm[inches]
tolerance:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PLATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>center pin</td>
<td>copper</td>
</tr>
<tr>
<td>terminal 1</td>
<td>brass</td>
</tr>
<tr>
<td>terminal 2</td>
<td>copper alloy</td>
</tr>
<tr>
<td>terminal 3</td>
<td>brass</td>
</tr>
<tr>
<td>plastic</td>
<td>PBT</td>
</tr>
</tbody>
</table>

Note: 1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.
# REVISION HISTORY

<table>
<thead>
<tr>
<th>rev.</th>
<th>description</th>
<th>date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>initial release</td>
<td>04/17/2006</td>
</tr>
<tr>
<td>1.01</td>
<td>changed pin thickness layout</td>
<td>08/31/2006</td>
</tr>
<tr>
<td>1.02</td>
<td>applied new spec template</td>
<td>01/08/2015</td>
</tr>
<tr>
<td>1.03</td>
<td>increased voltage rating</td>
<td>04/08/2016</td>
</tr>
<tr>
<td>1.04</td>
<td>updated datasheet</td>
<td>12/18/2018</td>
</tr>
<tr>
<td>1.05</td>
<td>brand update</td>
<td>10/30/2019</td>
</tr>
</tbody>
</table>

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