CUI DEVICES

date 07/01/2020

page 1 of 3

MODEL: PJ-008A | DESCRIPTION: DC POWER JACK

FEATURES

- 2.0 mm center pin
- 2.5 A rating
- right angle orientation
- panel mount





SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 2.5 | А |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 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 |
| operating temperature | | -25 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | - |

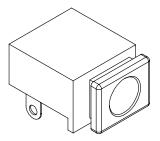
SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3~4 seconds | 340 | 350 | 360 | °C |

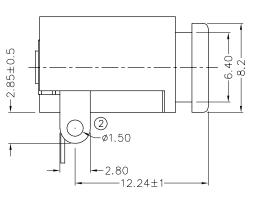
^{1.} When measured at a current of less than 100 mA/1 kHz. 2. All specifications measured at $10\sim35^{\circ}$ C, humidity at $45\sim85\%$, under standard atmospheric pressure, unless otherwise noted.

MECHANICAL DRAWING

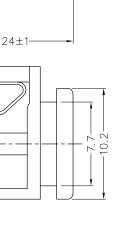
units: mm tolerance: X.X ± 0.2 mm X.XX ± 0.1 mm X.XXX ± 0.05 mm

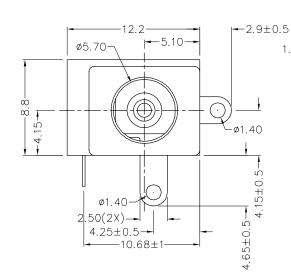


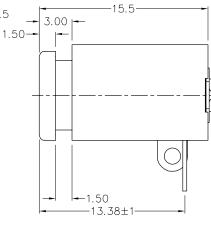
| | MATERIAL | PLATING |
|------------|--------------|---------|
| center pin | copper | nickel |
| terminal 1 | brass | tin |
| terminal 2 | copper alloy | tin |
| terminal 3 | brass | tin |
| insulators | PBT | |
| plastic | PBT | |
| | | |

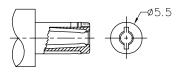


TERMINAL NUMBER









MATING PLUG Jack Insertion Depth: 9.0 mm

| SCHEMATIC | 3 \ 2 |
|------------|----------|
| Model | PJ-008A |
| Center Pin | Ø2.0 mm |

Additional Resources: Product Page | 3D Model

CUI Devices | MODEL: PJ-008A | DESCRIPTION: DC POWER JACK date 07/01/2020 | page 3 of 3

REVISION HISTORY

| rev. | description | date |
|------|--------------------------|------------|
| 1.0 | initial release | 04/17/2006 |
| 1.01 | increased voltage rating | 04/28/2016 |
| 1.02 | brand update | 10/29/2019 |
| 1.03 | updated housing mold | 07/01/2020 |

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

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.