CUI DEVICES



## **MODEL:** PR-1755 | **DESCRIPTION:** DC POWER RECEPTACLE

**FEATURES**
- designed for overmolding
- 7 A rating
- 1.6 mm center pin



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 20 | | Vdc |
| rated input current | | | | 7 | A |
| contact resistance | between plug and receptacle | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion force | when mating with a standard plug | 0.3 | | 3 | kgf |
| withdrawal force | when mating with a standard plug | 0.3 | | 3 | kgf |
| operating temperature | | -25 | | 70 | °C |
| operating humidity | | | | 85 | % |
| life | | | 5,000 | | cycles |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

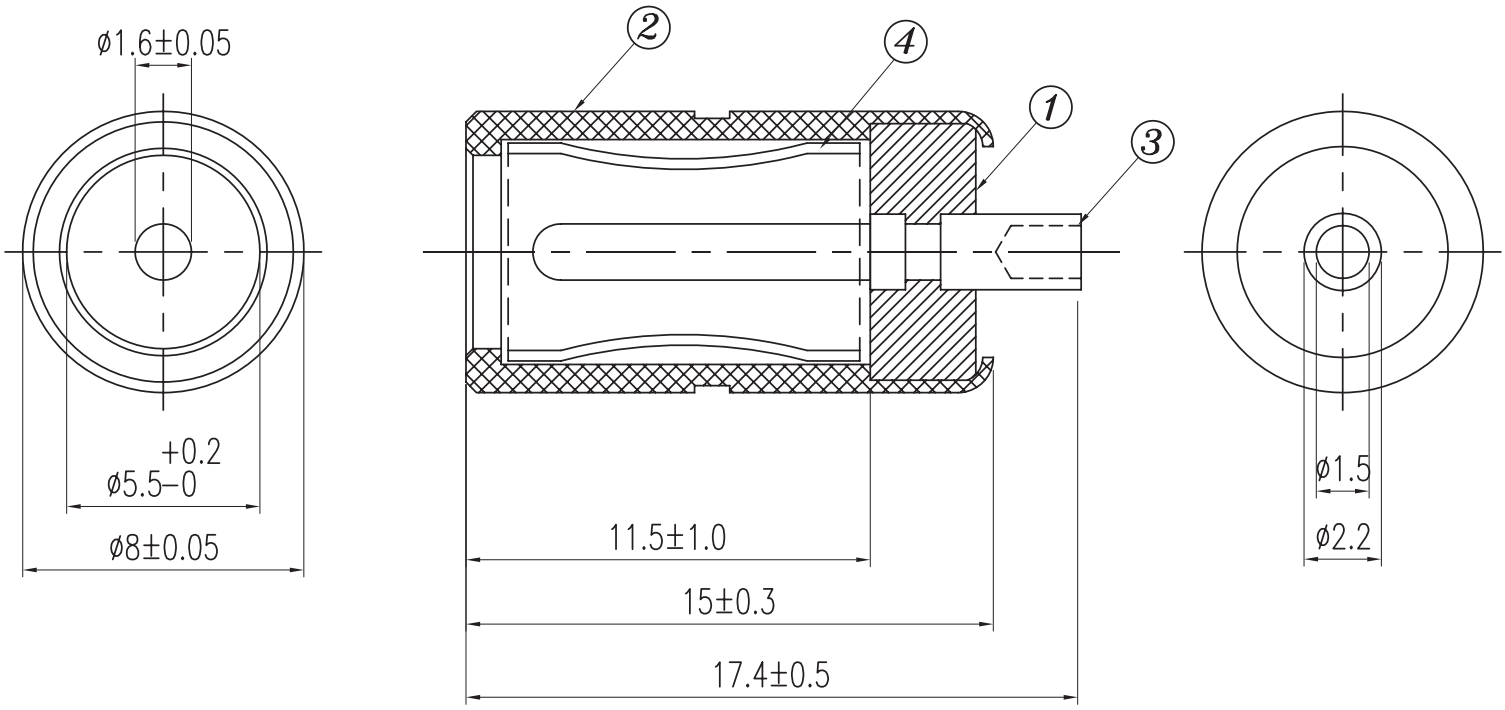
## SOLDERABILITY

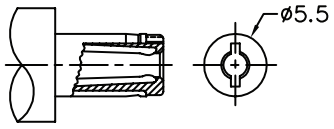
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for maximum 1 second | 380 | 400 | 420 | °C |

## MECHANICAL DRAWING

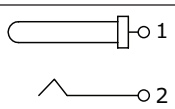
units: mm
tolerance:
X≤1.0: ±0.1 mm
1.0<X≤6.0: ±0.2 mm
6.0<X≤18.0: ±0.3 mm
18.0<X≤40.0: ±0.4 mm
X>40.0: ±0.5 mm
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|---|
| 1 | insulator | PBT (UL94HB) | black |
| 2 | body | brass | nickel |
| 3 | center pin | brass | nickel |
| 4 | terminal 2 | phosphor bronze | nickel |




MATING PLUG
Jack Insertion Depth: 11.5 mm

| | |
|---|---|
| Schematic |  |
| Model No. | PR-1755 |
| Center Pin | Ø1.6 mm |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 06/19/2018 |
| 1.01 | brand update | 11/07/2019 |

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.

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