

MODEL: PJ-005A | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.0 mm center pin
- mounting hardware includes nut and washer
- panel mount

**SPECIFICATIONS**

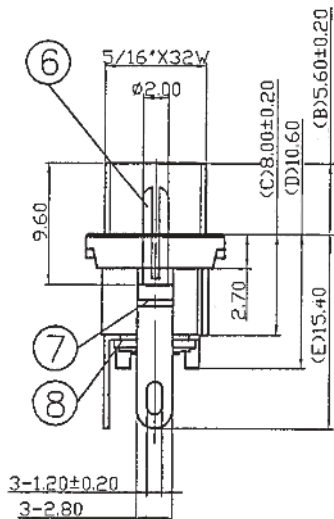
| parameter | conditions/description | min | typ | max | units |
|----------------------------|---------------------------------------|-----|-------|-----|--------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | at 50/60Hz for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -40 | | 70 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | plastic: UL94V-0 insulator: UL94HB | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

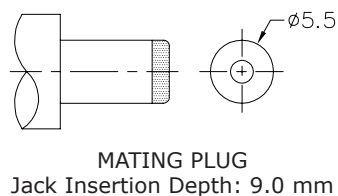
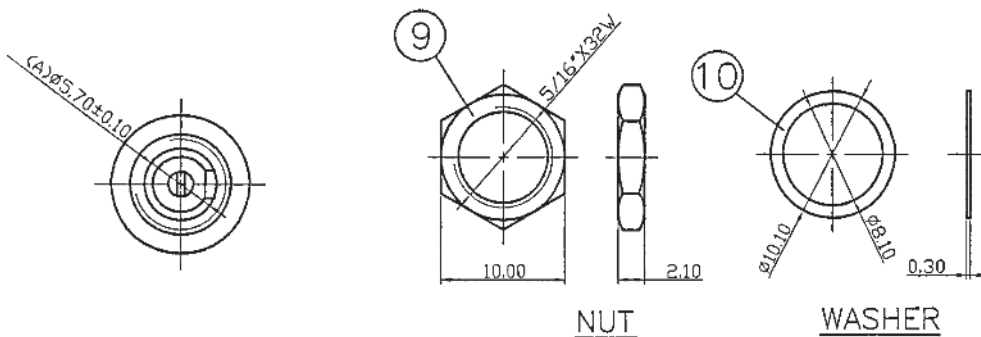
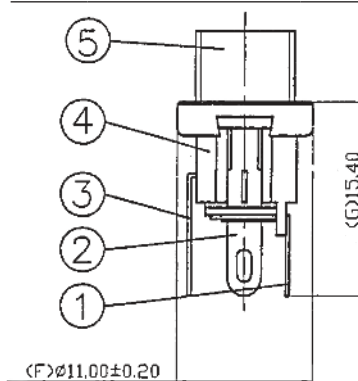
| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3±0.5 seconds | 340 | 350 | 360 | °C |

MECHANICAL DRAWING

units: mm
tolerance: ±0.3mm



| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1 | terminal pin | brass | silver |
| 2 | sleeve spring | phosphor bronze | silver |
| 3 | break terminal | brass | silver |
| 4 | housing | PBT (UL94V-0) | black |
| 5 | bushing | brass | nickel |
| 6 | pin(Ø2.0) | brass | nickel |
| 7 | insulator A | vulcanize fiber | red |
| 8 | insulator B | vulcanize fiber | red |
| 9 | nut | brass | nickel |
| 10 | washer | steel | nickel |



| | |
|------------|---------|
| SCHEMATIC | |
| Model | PJ-005A |
| Center Pin | Ø2.0 mm |

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

REVISION HISTORY

| rev. | description | date |
|------|--|------------|
| 1.0 | initial release | 01/30/2006 |
| 1.01 | applied new spec template | 05/06/2011 |
| 1.02 | updated voltage and current rating | 07/09/2014 |
| 1.03 | removed slot from threaded barrel | 09/01/2017 |
| 1.04 | brand update | 10/30/2019 |
| 1.05 | updated hand soldering recommendations | 02/24/2022 |

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

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