



MODEL: PP3-018C | DESCRIPTION: DC POWER PLUG

FEATURES

- 3 A current rating
- round cover



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------|------------------------------------|-----|-------|----------|--------|
| rated input voltage | | | 20 | | Vdc |
| rated input current | power conductors data conductor | | | 3 0.5 | A A |
| contact resistance | between plug and jack | | | 30 | mΩ |
| insulation resistance | at 100 Vdc | 50 | | | MΩ |
| voltage withstand | for 1 minute | | | 250 | Vac |
| insertion force | when mating with a standard jack | 0.3 | | 2.5 | kgf |
| withdrawal force | when mating with a standard jack | 0.3 | | 2.5 | kgf |
| operating temperature | | -25 | | 70 | °C |
| operating humidity | | | | 85 | % |
| life | | | 5,000 | | cycles |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

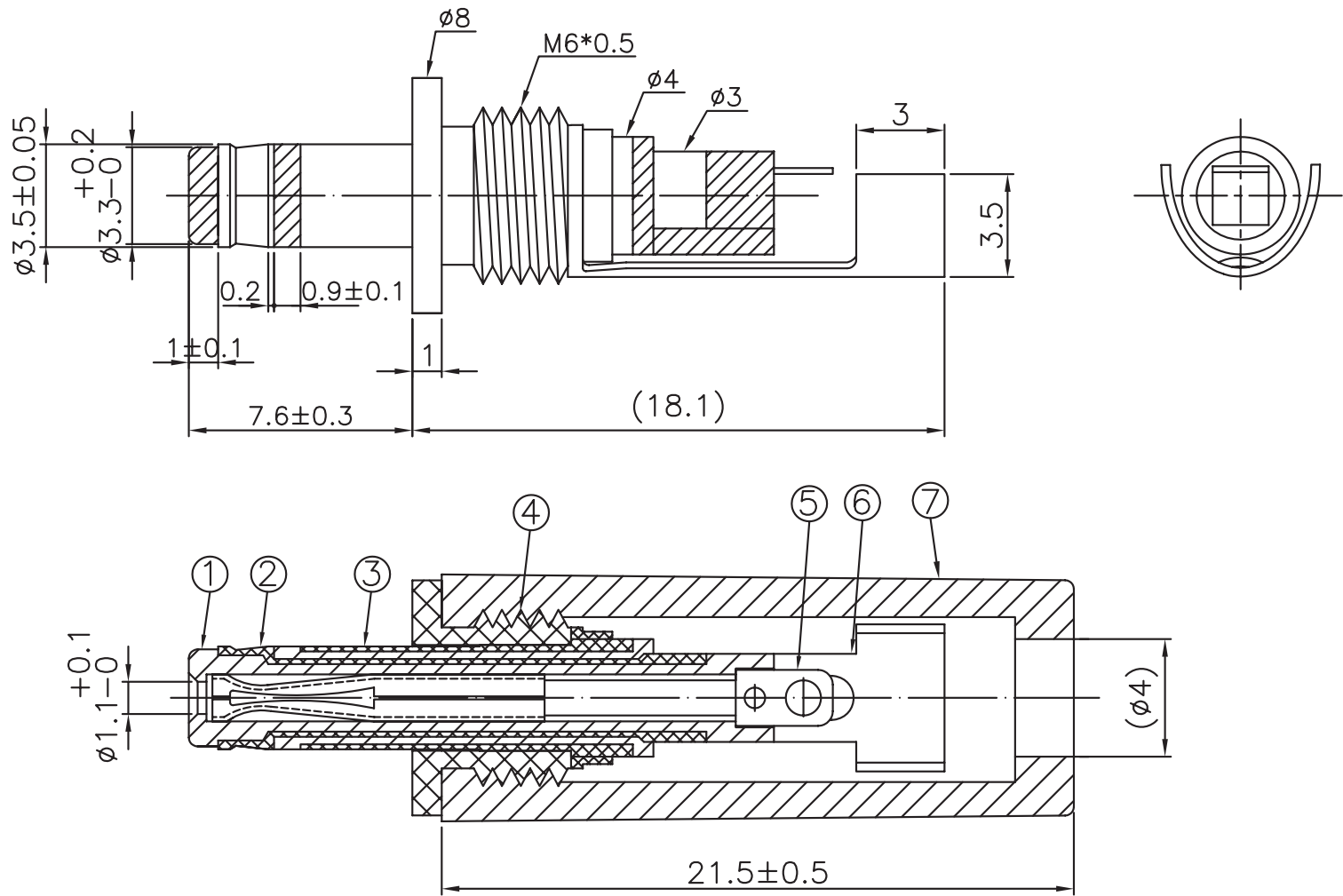
SOLDERABILITY

| 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≤12.0: ±0.3 mm
12.0<X≤25.0: ±0.4 mm
X>25.0: ±0.5 mm
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1 | insulator | PBT (UL94HB) | black |
| 2 | ring (data) | brass | nickel |
| 3 | outer barrel | brass | nickel |
| 4 | body | brass | nickel |
| 5 | center contact | phosphor bronze | nickel |
| 6 | crimp contact | brass | nickel |
| 7 | cover | ABS (UL94HB) | black |



REVISION HISTORY

| rev. | description | date |
|------|--|------------|
| 1.0 | initial release | 06/15/2018 |
| 1.01 | brand update | 11/07/2019 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | changed insulator material from POM to PBT | 07/17/2024 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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