



All dimensions are in mm; tolerances acc. to ISO 2768 m-H

Interface

According to MIL-STD-348

Documents

Assembly instruction 19 E8

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
CuBe
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

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RF_35/09.14/6.2

Electrical data

| | |
|--------------------------------|--|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return loss | ≥ 35 dB @ DC to 2 GHz ≥ 30 dB @ 2 GHz to 12 GHz ≥ 20 dB @ 12 GHz to 26 GHz |
| Insertion loss | ≤ 0.1 x √f [GHz] dB |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance | ≤ 6 mΩ |
| Outer contact resistance | ≤ 2 mΩ |
| Test voltage (at sea level) | 500 V rms |
| Working voltage (at sea level) | 335 V rms |
| Contact Current | ≤ 1.2A DC |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|---|---------|
| Mating cycles | |
| if mating part is Smooth bore, Catcher's Mitt | ≥ 1000 |
| if mating part is Limited detent | ≥ 500 |
| if mating part is Full detent | ≥ 100 |
| Center contact captivation | ≥ 7 N |
| Engagement force | |
| - Smooth bore, Catcher's Mitt | ≤ 9 N |
| - Limited detent | ≤ 45 N |
| - Full detent | ≤ 68 N |
| Disengagement force | |
| - Smooth bore, Catcher's Mitt | ≥ 2.2 N |
| - Limited detent | ≥ 9 N |
| - Full detent | ≥ 22 N |

Environmental data

| | |
|-----------------------------|--|
| Temperature range | -65 °C to +155 °C |
| Rapid change of temperature | IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles) |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Shock | MIL-STD-202, Method 213, Condition A |
| Damp heat | IEC 60068-2-78 (40°C, 93% RH, 56d) |
| High temperature endurance | IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours) |
| RoHS | compliant |

Tooling

N/A

Suitable cables

UT 85, RG 405 /U, RTK-FS 085

Weight

Weight 0.5 g/pc

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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|---------------|----------|---------------|----------|------|---------------------------|-----------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| S. Mühlbacher | 06.02.17 | S. Mühlbacher | 07.02.17 | a00 | 17-0005 | A_Wallner | 07.02.17 |

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