



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

Interface

According to IEC 457-2

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Coupling nut
- Dielectric

Material

- CuBe
- CuBe
- Stainless steel
- Stainless steel
- PPE

Plating

- Gold, min. 1.27 µm, over chemical nickel
- Gold, min. 1.27 µm, over chemical nickel
- Passivated
- Passivated

Electrical data

| | |
|--------------------------------|-----------------------|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| Return loss | ≥ 28 dB, DC to 18 GHz |
| Insertion loss | ≤ 0.05 x √f(GHz) dB |
| Insulation resistance | ≥ 5 GΩ |
| Test voltage (at sea level) | 2500 V rms |
| Working voltage (at sea level) | 1000 V rms |
| RF-leakage | ≥ 120 dB up to 1 GHz |

Mechanical data

| | |
|----------------------------|---------|
| Mating cycles | ≥ 5000 |
| Center contact captivation | ≥ 28 N |
| Coupling test torque | 1.95 Nm |
| Recommended torque | 1.36 Nm |

Environmental data

| | |
|---------------------|--------------------------------------|
| Temperature range | -40°C to +85°C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition D |
| Shock | MIL-STD-202, Method 213, Condition I |
| Moisture resistance | MIL-STD-202, Method 106 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

81.7 g/pce

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.

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|-------------|----------|-----------|----------|------|---------------------------|--------|----------|
| H. Babinger | 19.10.06 | F. Reiner | 10.07.18 | a01 | 18-1026 | M. Ruf | 06.07.18 |