



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

Interface

According to IEC 60169-16, MIL-PRF-39012, CECC 22210

Documents

Assembly instruction 53 T26
 Panel piercing B 13

Material and plating

Connector parts

Center contact
 Outer contact
 Dielectric
 Gasket

Material

Spring bronze
 Brass
 PTFE
 NBR

Plating

AuroDur®, gold plated
 Flash white bronze over silver(e.g. Optargen®)

Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 11 GHz |
| Return loss | ≥ 30 dB, DC to 2.5 GHz ≥ 25 dB, 2.5 to 4 GHz ≥ 20 dB, 4 to 8 GHz |
| Insertion loss | ≤ 0.05 dB, DC to 8 GHz |
| Insulation resistance | ≥ 5 x10 ³ MΩ |
| Center contact resistance | ≤ 1 mΩ |
| Outer contact resistance | ≤ 0.25 mΩ |
| Working voltage | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 1000 W @ 1 GHz 700 W @ 2 GHz |
| RF-leakage | ≥ 128 dB up to 1 GHz |
| Intermodulation (3 rd order) | ≤ -117 dBm @ 2 x 20 W |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|------------------|
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 28 N |
| radial | ≥ 3 Ncm |
| Coupling test torque | max. 1.7 Nm |
| Recommended torque | 0.7 Nm to 1.1 Nm |

Environmental data

| | |
|-----------------------------------|--|
| Temperature range | -25°C to +110°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| Degree of protection (mated pair) | IEC 60529, IP67 (assembled in housing) |
| RoHS | compliant |

Tooling

N/A

Suitable cables

UT 85, RG 405

Weight

Weight 36 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 |
|--|----------|-------------|----------|------|--|-------------|---------------|
| M. Schmid | 24/07/08 | J_Gramsamer | 17.04.15 | d00 | 15-0397 | J_Krautenb. | 17.04.15 |
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