



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

Interface

According to 153QS000-000, DCA-00067913

Documents

Assembly instruction 51 P15
 Panel piercing N/A

Material and plating

Connector parts

| Connector parts | Material | Plating |
|------------------|------------------|--|
| Center contact | Brass | AuroDur®, gold plated |
| Outer contact | Brass | Flash white bronze over silver(e.g. Optargen®) |
| Contact spring | Beryllium copper | AuroDur®, gold plated |
| Dielectric | PTFE | |
| Gasket | Silicone | |
| Crimping ferrule | Copper | Flash white bronze over silver(e.g. Optargen®) |

Electrical data

| | |
|--|---|
| Impedance | 50 Ω |
| Frequency | DC to 11 GHz |
| Return loss | ≥ 32 dB, DC to 1 GHz ≥ 27 dB, 1 to 6 GHz |
| Insertion loss | ≤ 0.05 dB x √ f [GHz] |
| Insulation resistance | ≥ 5 x10 ³ MΩ |
| Center contact resistance | ≤ 1.5 mΩ |
| Outer contact resistance | ≤ 1.5 mΩ |
| Test voltage (at sea level) | 2500 V rms |
| Working voltage (at sea level) | 1000 V rms |
| RF-leakage | ≤ -90 dB, 100 MHz to 3 GHz |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 300 W @2.5 GHz (typ.) |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|-------------|
| Mating cycles | min. 100 |
| Center contact captivation: axial | ≥ 28 N |
| Engagement force | 30 N (typ.) |
| Disengagement force | 30 N (typ.) |

Environmental data

| | |
|-----------------------------------|--|
| Temperature range | -40°C to +125°C |
| Thermal shock | MIL-STD-202, Meth. 107 D, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101 D, Cond. B |
| Vibration | MIL-STD-202, Meth. 204 D, Cond. A |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106 F |
| Degree of protection (mated pair) | IEC 60529, IP68 0.3 bar (interface only) |
| 2002/95/EC (RoHS) | compliant |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-208 |

Suitable cables

RG 58 C/U, RG 141 /U

Packing

| | |
|----------|----------------|
| Standard | 100 pcs in bag |
| Weight | 18 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 |
|--|----------|-----------|----------|------|--|----------------|---------------|
| A.Fellner | 08/02/06 | Rong Fang | 09:07:08 | a00 | 08-s338 | Wallner Markus | 08/07/08 |
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