



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

Interface

According to

Rosenberger P-SMP

Documents

Assembly instruction

119 C1

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
CuBe
Brass
PTFE

Plating

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

Electrical data

| | |
|--|---|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Return loss | ≥ 31 dB @ DC to 4 GHz ≥ 20 dB @ 4 GHz to 6 GHz |
| Insertion loss | ≤ 0.03 x √f [GHz] dB |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance | ≤ 3 mΩ |
| Outer contact resistance | ≤ 2 mΩ |
| Test voltage (at sea level) | 1000 V rms |
| Working voltage (at sea level) | 480 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 200 W @ 2.2 GHz |
| Intermodulation (3 rd order) | ≥ 160 dBc (2 x 43 dBm) |
| <i>- Limitations are possible due to the used cable type</i> | |

Mechanical data

| | |
|--|---------|
| Mating cycles | |
| if mating part is Smooth bore, Catchers mitt | ≥ 1000 |
| if mating part is Limited detent | ≥ 100 |
| if mating part is Full detent | ≥ 100 |
| Center contact captivation | ≥ 7 N |
| Engagement force | |
| - Smooth bore, Catchers mit | ≤ 10 N |
| - Limited detent | ≤ 45 N |
| - Full detent | ≤ 68 N |
| Disengagement force | |
| - Smooth bore, Catchers mit | ≥ 2.2 N |
| - Limited detent | ≥ 15 N |
| - Full detent | ≥ 25 N |
| Permissible angular misalignment | 4° |

Environmental data

| | |
|-----------------------------|--|
| Temperature range | -65 °C to +165 °C |
| Rapid change of temperature | IEC 60169-1, Sub-clause 16.4 (-65 °C to +165 °C) |
| Vibration | IEC 60068-2-64 random |
| Shock | IEC 60068-2-27 (half-sine) |
| High temperature endurance | IEC 60169-1, Sub-clause 18 (+165°C, 1000 hours) |
| RoHS | compliant |

Suitable cables

UT 141, RTK-FS 141

Weight

Weight 1.6 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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|--|----------|-------------|----------|------|---------------------------|--|---------------|
| S. Mühlbacher | 24.04.04 | Chr. Janßen | 13.10.20 | b00 | 20-1927 | S. Huber-Siegl | 13.10.20 |
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