



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

Interface

According to IEC 61169-35
Mechanically compatible with RPC-3.50 and SMA

Documents

Panel piercing B 58

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Hermetic bead
- Gasket
- Hexagon nut
- Tooth lock washer

Material

- CuBe
- Stainless steel
- CuBe or equiv.
- PS
- Glass
- Silicone
- CuBe or equiv.
- Tin bronze

Plating

- AuroDur®, gold plated
- Passivated
- Gold, min. 0,15µm, over nickel
- Gold, 0.1 µm min.
- Gold, 0.1 µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 15.5 dB, DC to 40 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Recommended torque for Hexagon nut	2.5 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
Hermeticity	≤ 10 ⁻⁶ mbar x l/s
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

7.7 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
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						Page 2 / 2	