



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

**Interface**

According to

IEC 60169-10, CECC 22130, MIL-PRF-39012

**Documents**

Panel piercing / PCB layout

B 30 / B 54

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectric

**Material**

- Brass
- Brass
- Brass
- PTFE

**Plating**

- AuroDur®, gold plated
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- Gold, 0.1 µm min.

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RF\_35/05.10/6.0

**Electrical data**

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 25 dB @ DC to 1 GHz ≥ 20 dB @ 1 GHz to 3 GHz ≥ 18 dB @ 3 GHz to 4 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
Contact current	≤ 1.5 A DC
RF-leakage	≥ 55 dB @ DC to 1 GHz

- Connector only, VSWR in application depends decisive on PCB layout

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Engagement force	≤ 63 N
Disengagement force	8 N to 63 N

**Environmental data**

Temperature range	-55 °C to +155 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 3.4 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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