



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.

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
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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.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	07.12.04	E. Schwangler	20.01.23	f00	23-0142	S. Schier	20.01.23

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