



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

Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Panel piercing

B 6

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric

Material

- Spring bronze
- Brass
- Brass
- PTFE

Plating

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

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RF_35/05.10/6.0

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 35 dB @ DC to 1 GHz ≥ 25 dB @ 1 GHz to 2.5 GHz ≥ 20 dB @ 2.5 GHz to 4 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-45 °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 B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

Weight

Weight 9.9 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	10/08/04	Sa. Krautenbacher	24.03.14	e00	14-0352	T. Krojer	24.03.14