



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

Interface

According to

IEC 61169-16, MIL-STD-348, CECC 22210

Documents

Panel piercing

B 13

Material and plating

Connector parts

- Center contact jack side
- Outer contact
- Body
- Dielectric
- Gasket

Material

- Spring bronze
- Brass
- Brass
- PTFE
- Silicone

Plating

- Silver, 3-6 µm
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

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Electrical data

Impedance	50 Ω
Operating frequency	698 to 2700 MHz
Return Loss	≥ 21 dB, 698 to 800 MHz ≥ 26 dB, 800 to 960 MHz ≥ 24 dB, 960 to 1700 MHz ≥ 26 dB, 1700 to 2200 MHz ≥ 24 dB, 2200 to 2500 MHz ≥ 21 dB, 2500 to 2700 MHz
Insertion Loss	≤ 0.1 dB
Center contact resistance	< 5 mΩ
Outer contact resistance	< 5 mΩ
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz
RF-leakage	≥ 128 dB @ 1 GHz
Intermodulation (3 rd Order)	< -117 dBm @ 2 x 20 W
Nominal impulse discharge current	25 kA (8/20 μs)
Residual voltage	< 130 V @ 20kA, 8/20 μs < 15 V @ 4kV 1.2/50μs, 2kA 8/20 μs
Residual energy	< 25 μJ

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 450 N
Center contact captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Coupling torque (recommended)	0.7 to 1.1 Nm
Proof torque	max. 1.7 Nm

Environmental data

Temperature range	-45°C to +85°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Degree of protection	IEC 60529, IP68 2.5 bar (mated condition)
RoHS	compliant

Weight

Weight	210 g/pce
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