



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

**Interface**

According to IEC 60169-15; EN 122110; MIL-STD-348

**Documents**

Panel piercing B 58

**Material and plating**

**Connector parts**

Connector parts	Material
Center contact	Beryllium copper
Outer contact	Beryllium copper or equivalent
Dielectric	PTFE
Gasket	Silicone
Glass seal	Glass
Internal tooth lock washer	Stainless steel

**Plating**

AuroDur, gold plated  
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**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.12 + 0.018 x f [GHz]
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

**Mechanical data**

Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
radial	≥ 1 Ncm
Coupling torque	
Standard: St. Steel, BeCu	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm
Coupling torque	
Economy: CuZn	max. 0.6 Nm
Recommended torque	0.5 Nm

**Environmental data**

Temperature range	-55°C to +125°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. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Leakage rate	≤ 10 <sup>-6</sup> mbar x l/s
Pressure	2 N/mm <sup>2</sup> max.
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 6.49 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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