



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

Interface

According to

IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

Panel piercing

B 58

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Gasket
Glass seal
Internal tooth lock washer

Material

Beryllium copper
Beryllium copper or equivalent
PTFE
Silicone
Glass
Stainless steel

Plating

AuroDur, gold plated
AuroDur, gold plated

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	$\leq 1.12 + 0.018 \times f \text{ [GHz]}$
Insertion loss	$\leq 0.03 \times \sqrt{f(\text{GHz})} \text{ dB}$
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 3 \text{ m}\Omega$
Outer contact resistance	$\leq 2 \text{ m}\Omega$
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	$\geq 27 \text{ N}$
radial	$\geq 1 \text{ Ncm}$
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	$\leq 10^{-6} \text{ mbar x l/s}$
Pressure	2 N/mm ² 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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