



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 55a

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Gasket
Coupling nut

Material

Brass
Stainless steel
PTFE
Silicone
Stainless steel

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Passivated

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.005 x f [GHz], DC to 6 GHz ≤ 1.25 6 to 18 GHz
Insertion loss	≤ 0.04x √f(GHz) dB
Insulation resistance	≥ 5 x10 ³ 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
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 27 N
radial	≥ 3 Ncm
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +165°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
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	100 pcs in blister
Weight	3.91 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.

RF_35/12.04/3.0

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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