



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 / PCB layout

B 66b / B 168

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Gold, 0.2 µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.005 x f [GHz], DC to 8 GHz ≤ 1.25 8 to 12.4 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 x 10 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

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 20 N
radial	≥ 1 Ncm
Coupling test torque	max. 0.6 Nm
Recommended torque	0.5 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
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	5.63 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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RF_35/09.14/6.2

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	13.05.04	Chr. Janßen	09.11.20	e00	20-1927	S. Huber-Siegl	09.11.20

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