



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

Interface

According to

IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

Panel piercing

B 32

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
Nickel, 2.5-5 µm

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RF_35/09.14/6.2

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 28 dB @ DC to 1 GHz ≥ 22 dB @ 1 GHz to 2 GHz ≥ 20 dB @ 2 GHz to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB, DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

Environmental data

Temperature range	-55 °C to +155 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	16.6g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	13.07.04	Gasteiger A.	28.05.15	a00	15-0005	S. Krautenb.	27.05.15