



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

Interface

According to IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/402

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut

Material

CuBe
CuBe
Stainless steel

Plating

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

Electrical data

Impedance	50 Ω ± 0.15 Ω
Frequency	0.3 GHz to 18 GHz
Return loss	≥ 40 dB, 0.3 GHz to 4 GHz ≥ 35 dB, 4 GHz to 18 GHz
Insertion loss	≤ 0.05 dB at 18 GHz
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 1.0 mΩ

Mechanical data

Mating cycles	≥ 500
Coupling test torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm
Airline dimensions:	
- Outer diameter	7.000 mm ± 0.005 mm
- Inner diameter	3.040 mm ± 0.005 mm
- Length outer contact	33.30 mm + 0.02 mm
- Length center contact	33.30 mm – 0.02 mm
- Difference (outer/center-contact)	max. 0.04 mm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	56.1 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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