



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

Interface

According to IEC 457-2

Documents

N/A

Material and plating

Connector parts

Center contact	Material	CuBe
Outer contact		Brass
Body		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	≥ 45 dB, 0.3 GHz to 4 GHz ≥ 40 dB, 4 GHz to 18 GHz
Insertion loss	≤ 0.15 dB at 18 GHz
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 0.1 mΩ

Mechanical data

Mating cycles	≥ 5000
Coupling test torque	1.95 Nm
Recommended torque	1.36 Nm
Airline dimensions:	
- Outer diameter	7.000 mm ± 0.005 mm
- Inner diameter	3.040 mm ± 0.005 mm
- Length outer contact	100.00 mm + 0.02 mm
- Length center contact	100.00 mm – 0.02 mm
- Difference (outer/center-contact)	max. 0.04 mm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	77.8 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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