



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

Interface

According to IEC 61169-32
Mechanically compatible with RPC-2.40

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut

Material

Beryllium copper
Brass
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 ± 1.00 Ω
Frequency	0.5 GHz to 65 GHz
Return loss	≥ 34 dB, 0.5 GHz to 4 GHz ≥ 24 dB, 4 GHz to 65 GHz
Insertion loss	≤ 0.20 dB at 65 GHz
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ

Mechanical data

Mating cycles	≥ 500
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Airline dimensions:	
- Outer diameter	1.850 mm ± 0.005 mm
- Inner diameter	0.803 mm ± 0.005 mm
- Length	22.60 mm ± 0.02 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

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	9.3 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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