



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

Interface

Mechanically compatible with RPC-3.50 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact

Material

Beryllium copper
Brass

Plating

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

Electrical data

Frequency	DC to 40 GHz
Return loss	≤ 0.10 dB, DC to 4 GHz ≤ 0.20 dB, 4 GHz to 40 GHz
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Deviation from nominal phase *	≤ 1.0°, DC to 4 GHz ≤ 2.0°, 4 GHz to 40 GHz

* The specifications are given as allowed deviation from the nominal model as defined in the test report

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 22 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Offset Length	5.00 mm ± 0.01 mm
	16.6836 ps ± 0.0334 ps
Gauge	0.00 mm to 0.03 mm

Environmental data

Temperature range	0°C to +50°C
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	7.00 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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