



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
- Coupling nut
- Dielectric
- Substrate

Material

- Beryllium copper
- Stainless steel
- Stainless steel
- PEEK
- Al₂O₃

Plating

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

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 32 dB, DC to 4 GHz ≥ 20.1 dB, 4 GHz to 40 GHz
Attenuation	40 dB
Tolerances	≤ ± 0.4 dB, DC to 4 GHz ≤ ± 0.8 dB, 4 GHz to 40 GHz
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Power handling	0.5 W

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
Gauge	0.00 – 0.03

Environmental data

Temperature range	0°C to +50°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1pce in bag
Weight	8.0 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
Kerstin Herzog	18/05/06	Andreas Burkert	04/08/09	b00	09-0546	Kerstin Hobrak	04/08/09
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2