



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

**Interface**

BNC side	Compatible to	IEC 60169-8, MIL-PRF-39012, CECC 22120
1.6/5.6 side	According to	CECC 22 240

**Documents**

N/A

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Brass	AuroDur, gold plated
Outer contact 1.6/5.6 side	Beryllium copper	AuroDur, gold plated
Outer contact BNC side	Brass	Nickel, 2.5-5 µm
Coupling nut	Brass	Nickel, 2.5-5 µm
Dielectric 1.6/5.6 side	LCP	
Dielectric BNC side	PTFE	

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 28 dB, 1 to 2 GHz ≥ 20 dB, 2 to 4 GHz
Insertion loss	≤ 0.1 dB
Insulation resistance	≥ 10x10 <sup>3</sup> MΩ
Center contact resistance	≤ 1.5 mΩ, BNC side;      ≤ 4 mΩ, 1.6/5.6 side
Outer contact resistance	≤ 1 mΩ, BNC side;      ≤ 2 mΩ, 1.6/5.6 side
Test voltage	1000 V rms
Working voltage	330 V rms
RF-leakage	≥ 90 dB up to 1 GHz (slide-on) ≥ 100 dB up to 1 GHz (screw version)

**Mechanical data**

Mating cycles	≥ 500
Engaging and disengaging force	2.2 N to 12 N (screw-on, slide-on) 18 N to 50 N (quick-lock)
Center contact captivation	≥ 30 N
Coupling mechanism retention force	≥ 300 N (screw version, quick-lock)

**Environmental data**

Temperature range	-40°C to +85°C	
Climatic class	IEC 60068-2-1 40/85/21 IEC 60068-2-2 IEC 60068-2-3	
Vibration	IEC 60068-2-6	10 Hz to 2000 Hz, 100m/s <sup>2</sup>
RoHS	compliant	

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 14.7 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
Inge Mühlauer	09/03/05	Sa. Krautenbacher	24.03.14	d00	14-0352	T. Krojer	24.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2