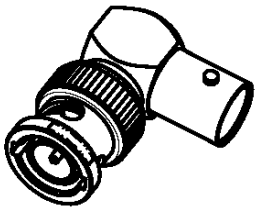
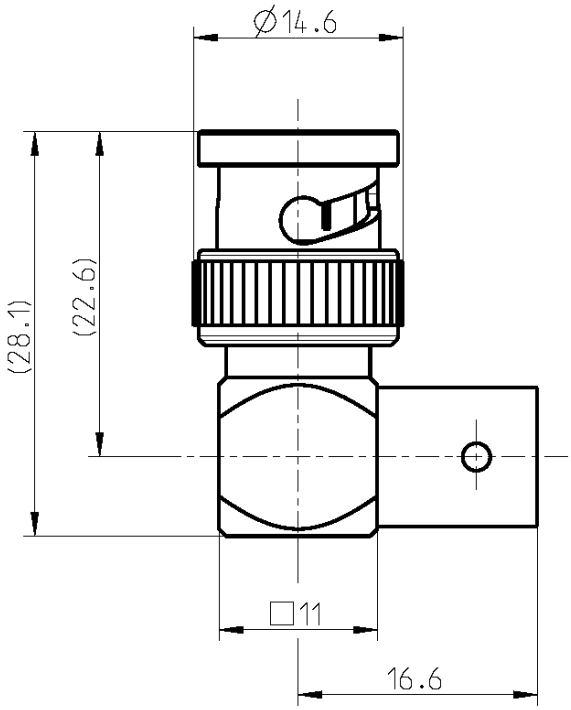
Technical Data Sheet		Rosenberger
BNC 75 Ω	ADAPTOR PLUG - JACK	**71S201-K00N5**





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

Interface

Compatible to	IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact plug side	Brass	AuroDur®, gold plated
Center contact jack side	CuBe	AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	NeopreneCR 50C6	

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Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 18 dB, DC to 1 GHz
	≥ 13 dB, 1 to 2 GHz
Insertion loss	≤ 0.1 x $\sqrt{f\ [GHz]}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	19.5 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.

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Inge Mühlauer	03.08.04	Sa. Krautenbacher	24.03.14

Rev.	Engineering change number	Name	Date
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