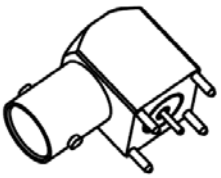
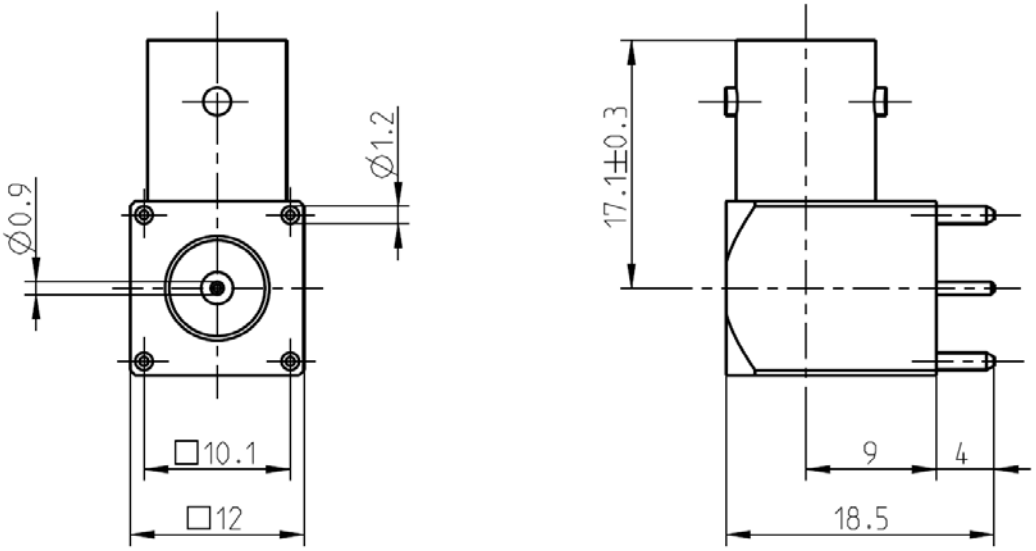
Technical Data Sheet		Rosenberger
BNC 75 Ω	RIGHT ANGLE JACK PCB	**71K201- 400N5**





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

Interface

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

Documents

Panel piercing	B 32

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	

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Technical Data Sheet		Rosenberger
BNC 75 Ω	RIGHT ANGLE JACK PCB	**71K201- 400N5**

Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 20 dB @ DC to 1 GHz ≥ 18 dB @ 1 GHz to 3 GHz ≥ 15 dB @ 3 GHz to 4 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f\ [GHz]}$ 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

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500

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
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	16.2 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
Andreas Fellner	23.05.12	Gasteiger A.	28.05.15

Rev.	Engineering change number	Name	Date
a00	15-0005	S. Krautenb.	27.05.15

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