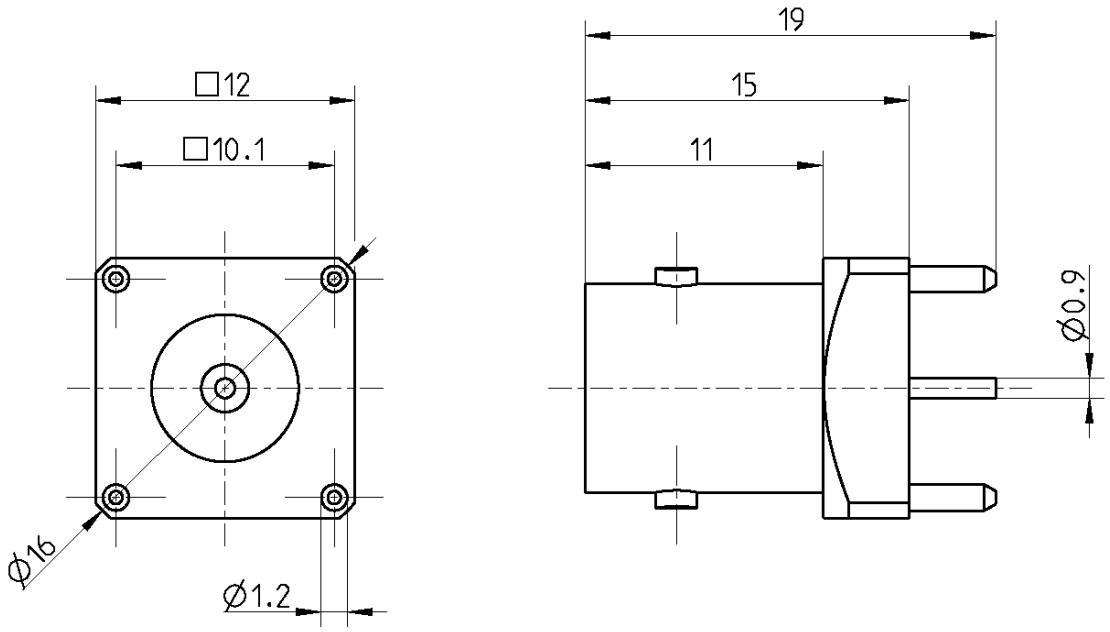
TECHNICAL DATA SHEET

Rosenberger

BNC 75 Ω STRAIGHT JACK PCB

71K101-400A5





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

Interface

Compatible to	IEC 60169-8, MIL-PRF-39012, CECC 22120

Documents

PCB layout	B 32

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	Nickel, 2.5-5 µm
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	

RF_35/11.05/3.1

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TECHNICAL DATA SHEET	Rosenberger
BNC 75 Ω STRAIGHT JACK PCB	**71K101-400A5**

Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 18 dB, DC to 2 GHz
Insertion loss	≤ 0.1 x $\sqrt{f\ [GHz]}$ dB, DC to 2 GHz
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

- VSWR in application depends decisive on PCB layout -

Mechanical data

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

Environmental data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	6.2 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
Wengler Juergen	27/07/04	Sa. Krautenbacher	21.03.14

Rev.	Engineering change number	Name	Date
b00	14-0352	T. Krojer	21.03.14

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