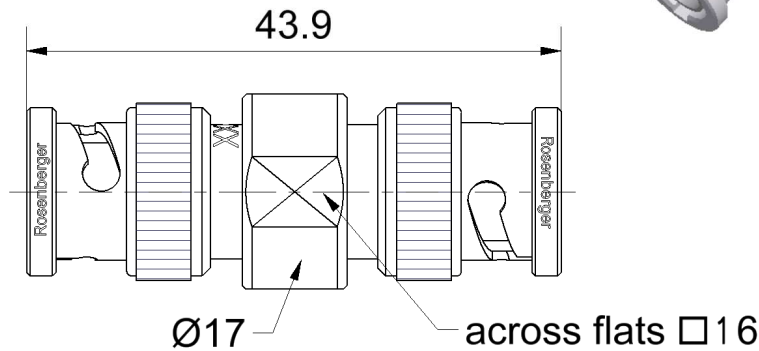
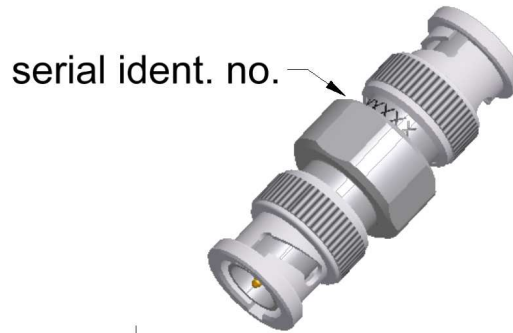


BNC
75 Ω

Calibration Adaptor
Plug/Plug

71S121-S20S3



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

Interface

According to

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

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor
Outer conductor
Dielectric

Material

CuBe
Stainless steel
PS

Plating

Gold, min. 1.27 µm, over nickel
Passivated

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Electrical data

Frequency range DC to 4 GHz
Return loss ≥ 34 dB, DC to 2 GHz
≥ 30 dB, 2 GHz to 4 GHz

Mechanical data

Mating cycles ≥ 500
Gauge 5.31 mm to 5.38 mm

General standard definition

For proper operation the vector network analyzer (VNA) needs a model describing the electrical behaviour of this calibration standard. The different models, units, and terms used will depend on the VNA type and they will have to be entered into the VNA. All values are based on typical geometry and plating.

Offset Z_o / Impedance / Z_o 75 Ω
Offset Delay 146.968 ps
Length (electrical) / Offset Length 44.06 mm
Offset Loss 1.20 GΩ/s
Loss 0.0102 dB/√GHz

Environmental data

Operating temperature range¹ +20 °C to +26 °C
Rated temperature range of use² 0 °C to +50 °C
Storage temperature range -40 °C to +85 °C

RoHS compliant

¹ Temperature range over which these specifications are valid.

² This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage.

Technical Data Sheet

Rosenberger

BNC
75 Ω

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Declaration of calibration options

Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, **traceable to Rosenberger standards**, national / international standards are not available. Model based standard definitions are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.

Accredited Calibration

Not available.

For further, more detailed information see application note AN001 on the Rosenberger homepage.

Calibration interval

Recommendation 12 months

Packing

Standard 1 pce in box
Weight 30 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
Marcel Panicke	18.08.14	Herbert Babinger	16.09.15	b00	14-1492	Maik Knoll	16.09.15

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de	Tel. : +49 8684 18-0 Fax : +49 8684 18-1499 Email : info@rosenberger.de	Page 3 / 3
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