Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

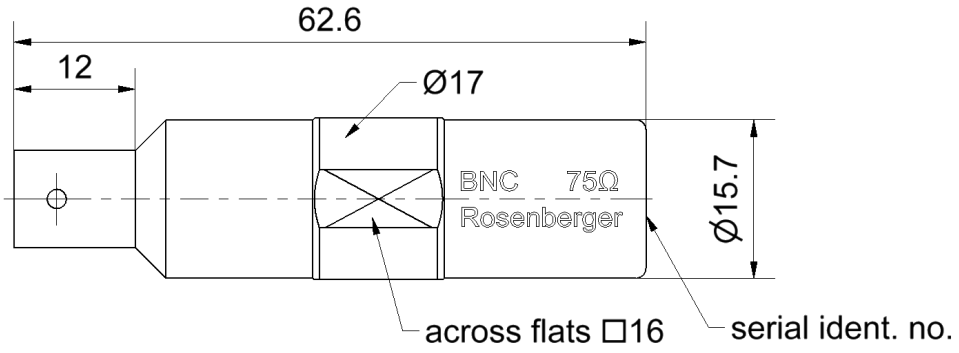
With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Technical Data Sheet		Rosenberger
BNC 75 Ω	Short Circuit Jack	**71K12S-000S3**



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

Interface

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

Documents

Application note	AN001 “Calibration Services”

Material and plating

Connector parts	**Material**	**Plating**
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Stainless steel	Passivated

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

Electrical data

Frequency range	DC to 4 GHz
Return loss	≤ 0.20 dB, DC to 2 GHz
	≤ 0.50 dB, 2 GHz to 4 GHz
Error from nominal phase[1]	≤ 2.5°, DC to 2 GHz
	≤ 4.0°, 2 GHz to 4 GHz

[1] The nominal phase is defined by the Offset Delay, the Offset Loss and the Short Inductance

Mechanical data

Mating cycles	≥ 500
Gauge	5.21 mm to 5.28 mm

General standard definitions

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	58.373 ps
Length (electrical) / Offset Length	17.50 mm
Offset Loss	1.2 GΩ/s
Loss	0.0081 dB/$\sqrt{\text{GHz}}$
Short Inductance[2]	

[2] Short Inductances are determined individually for each Short circuit and are documented in a Calibration Certificate.

Environmental data

Operating temperature range[2]	+20 °C to +26 °C
Rated temperature range of use[3]	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C
RoHS	compliant

[2] Temperature range over which these specifications are valid.
[3] This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage.

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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 individually optimized and 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	59 g/pce

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