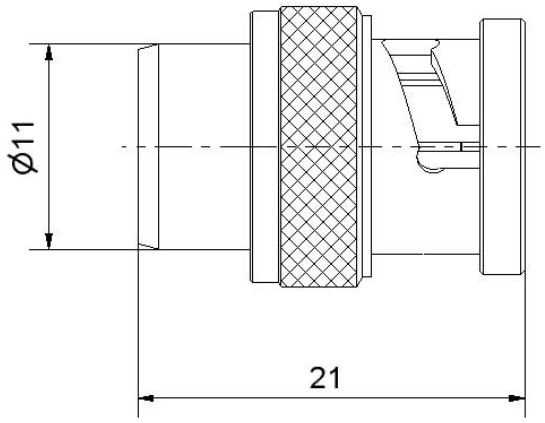
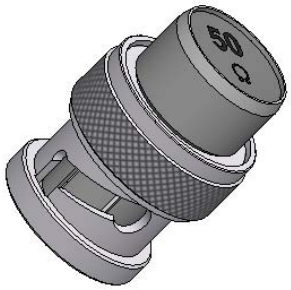
TECHNICAL DATA SHEET

Rosenberger®

BNC 50 Ω TERMINATION PLUG 1 WATT

51S1RR-001N4





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

Interface

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

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center contact	Brass	Gold, min. 0.8 µm, over nickel
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Substrate	Al_2O_3	

RF_35/11.05/3.1

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

TECHNICAL DATA SHEET

Rosenberger®

BNC 50 Ω TERMINATION PLUG 1 WATT

51S1RR-001N4

Electrical data

Impedance	50 Ω
Frequency	DC to 2 GHz
Return loss	≥ 20.8 dB, DC to 1 GHz
	≥ 15.6 dB, 1 GHz to 2 GHz
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Power handling	1 W at 25°C
	derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N

Environmental data

Temperature range	-55°C to +155°C

Tooling

N/A

Suitable cables

N/A

Packing

Standard	50 pcs in blister
Weight	10.0 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
Kerstin Herzog	19/08/04	Herbert Babinger	29/01/10

Rev.	Engineering change number	Name	Date
c00	10-s054	G. Schiele	26/01/10

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de