



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

Center contact
Outer contact
Body
Dielectric
Substrate

Material

Brass
Brass
Brass
PTFE
Al₂O₃

Plating

Gold, min. 0.8 μm, over nickel
White bronze(e.g. Optalloy®)
White bronze(e.g. Optalloy®)

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	Rev.	Engineering change number	Name	Date
Kerstin Herzog	19/08/04	Herbert Babinger	29/01/10	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		Page 2 / 2