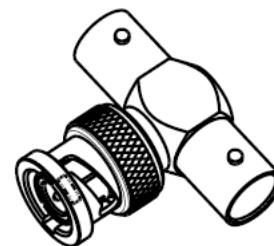
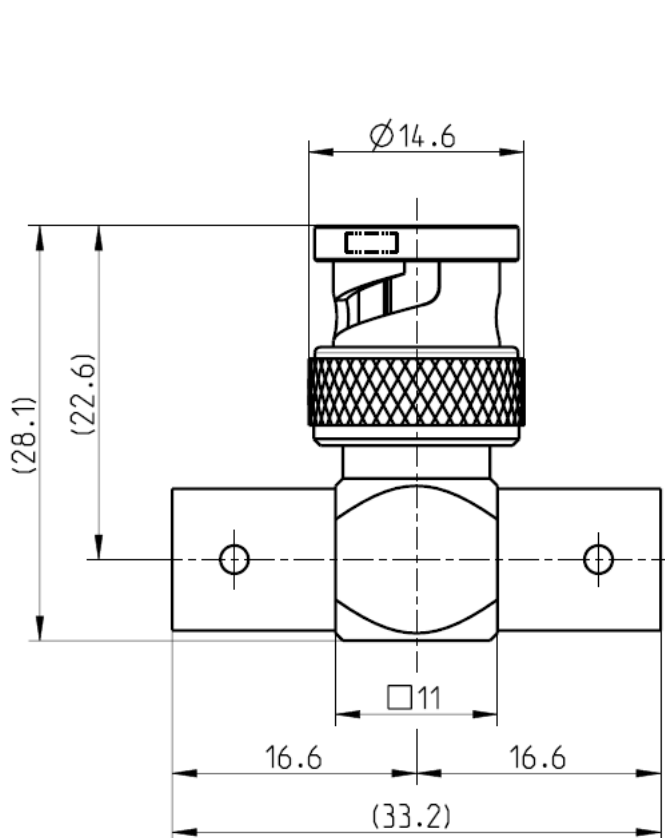


ADAPTOR
BNC 50 Ω JACK – PLUG - JACK**51S301-K00N5**

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 plug side
Center contact jack side
Outer contact
Body
Dielectric
Gasket

Material

Brass
Spring bronze
Brass
Brass
PTFE
NeopreneCR 50C6

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

ADAPTOR
BNC 50 Ω JACK – PLUG - JACK

51S301-K00N5**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 1.5 \text{ m}\Omega$
Outer contact resistance	$\leq 1 \text{ m}\Omega$
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 80 \text{ W @ 2 GHz}$

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	$\geq 15 \text{ N}$

Environmental data

Temperature range	-45°C to +85°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
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	100 pcs in bag
Weight	22.5 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
Chr. Entsfellner	17/07/08	J. Krautenbacher	17/07/08	f00	07-0154	S. Huber-Siegl	17/07/08
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