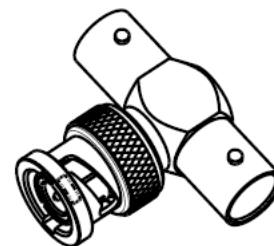
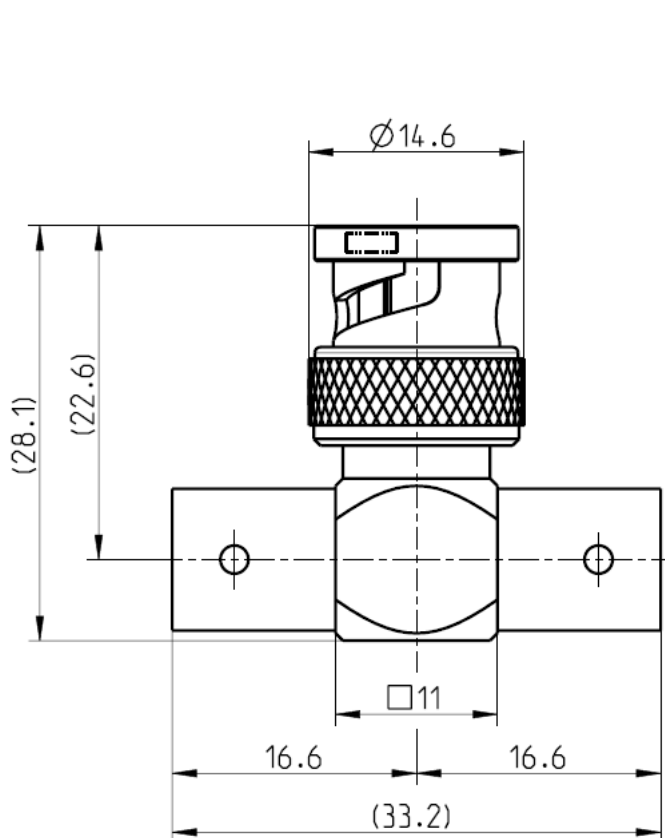


ADAPTOR
BNC 50 Ω JACK – PLUG - JACK
51S301-K00N4


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

Gold, min. 0.8 µm, over chemical nickel
 Gold, min. 0.8 µm, over chemical nickel
 Flash white bronze over silver(e.g. Optargen®)
 Flash white bronze over silver(e.g. Optargen®)

ADAPTOR
BNC 50 Ω JACK – PLUG - JACK
51S301-K00N4
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
Inge Mühlauer	20/07/04	Schwangler	06.11.07	e00	07-0676	B. Dandl	26.09.07
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