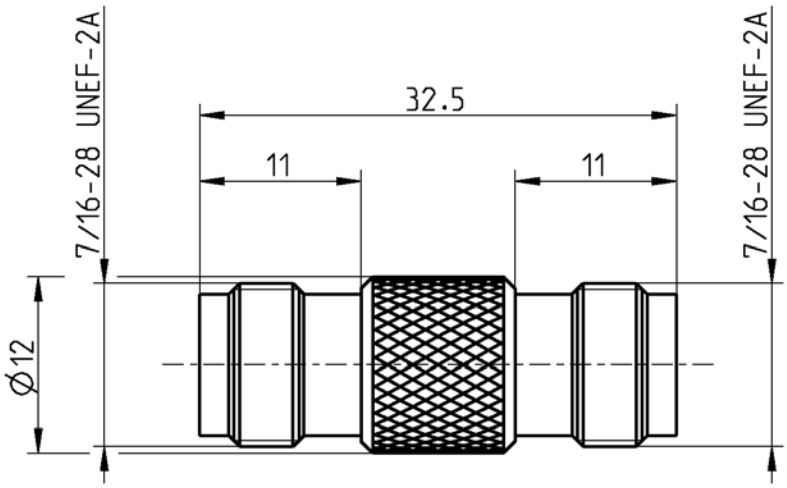
TECHNICAL DATA SHEET

Rosenberger®

ADAPTOR
TNC 50 Ω JACK - JACK

56K101-K00N4



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

Interface

According to: IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Spring bronze	Gold, min. 0.8 µm, over chemical nickel
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, DC to 2.5 GHz ≥ 20 dB, 2.5 to 6 GHz
Insertion loss	≤ 0.05 dB, DC to 6 GHz
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

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	1 pce in bag
Weight	13.5 g/pce

Draft	Date	Approved	Date
Inge Mühlauer	10/08/04	J. Krautenbacher	05/10/06

Rev.	Engineering change number	Name	Date
b00	06-0478	S. Huber-Siegl	05/10/06

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