



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**

- 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  
TNC 50 Ω JACK – PLUG - JACK**

**56S301-K00N4**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Insulation resistance	≥ 5 x10 <sup>3</sup> 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	26.5 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	10/08/04	J. Krautenbacher	05/10/06	b00	06-0478	S. Huber-Siegl	05/10/06
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2