



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

**Interface**

Compatible to IEC 61169-8, MIL-PRF-39012, CECC 22120

**Documents**

Panel piercing B 3

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket

**Material**

- CuBe
- Brass
- Brass
- PTFE
- NBR

**Plating**

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

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/08.13/6.1

# Technical Data Sheet

# Rosenberger

BNC 75 Ω

ADAPTOR  
JACK -JACK

**71K501-K00N5**

### Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 16 dB @ DC to 0.5 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB, DC to 0.5 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

### Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

### Environmental data

Temperature range	-25 °C to +110 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

### Tooling

N/A

### Suitable cables

N/A

### Weight

Weight 21.5 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	27.07.04	Sa. Krautenbacher	21.03.14	d00	14-0352	T. Krojer	21.03.14
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