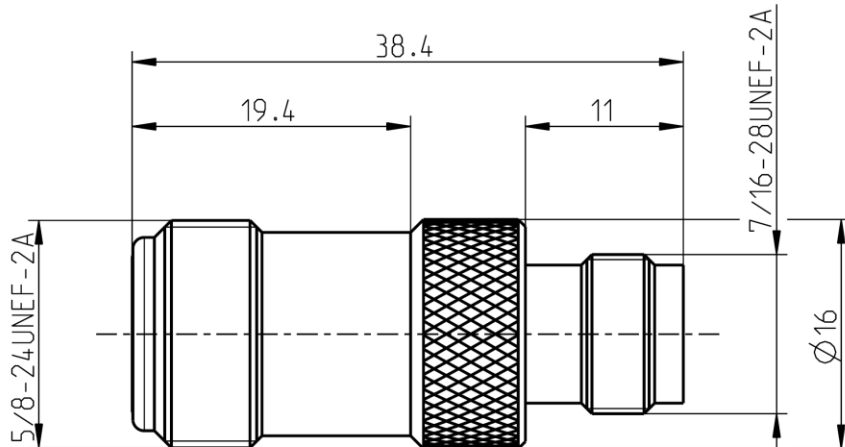


N 50 Ω

Adaptor  
N 50 Ω Jack – TNC Jack

**53K156-K00N5**



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

**Interface**

|              |           |  |
|--------------|-----------|--|
| According to | N side:   | IEC 61169-16, MIL-PRF-39012, CECC 22210    |
|              | TNC side: | IEC 60169-17, MIL-PRF-39012, DIN EN 122200 |

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact N side  
Outer contact TNC side  
Dielectric

**Material**

CuBe  
Brass  
Brass  
PTFE

**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

RFB00035/12.20/6.4

N 50 Ω

Adaptor  
N 50 Ω Jack – TNC Jack

**53K156-K00N5**

**Electrical data**

|  |                         |                    |
|--|-------------------------|--------------------|
| Impedance                                      | 50 Ω                    |                    |
| Frequency                                      | DC to 10 GHz            |                    |
| Return loss                                    | ≥ 28 dB, DC to 2 GHz    |                    |
|  | ≥ 16 dB, 2 to 4 GHz     |                    |
|  | ≥ 14 dB, 4 to 10 GHz    |                    |
| Insertion loss                                 | ≤ 0.05 dB, DC to 4 GHz  |                    |
| Insulation resistance                          | ≥ 5 x10 <sup>3</sup> MΩ |                    |
| Center contact resistance                      | ≤ 1 mΩ, N side          | ≤ 1.5 mΩ, TNC side |
| Outer contact resistance                       | ≤ 0.25 mΩ, N side       | ≤ 1 mΩ, TNC side   |
| Working voltage                                | 500 V rms               |                    |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz          |                    |

**Mechanical data**

|                                   |                  |                    |
|-----------------------------------|------------------|--------------------|
|                                   | N side           | TNC side           |
| Mating cycles                     | min. 500         | min. 500           |
| Center contact captivation: axial | ≥ 28 N           | ≥ 28 N             |
| Coupling test torque              | max. 1.7 Nm      | max. 1.7 Nm        |
| Recommended torque                | 0.7 Nm to 1.1 Nm | 0.46 Nm to 0.69 Nm |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -55°C to +155°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. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 32 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



|           |          |             |          |      |                           |                |          |
|-----------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft     | Date     | Approved    | Date     | Rev. | Engineering change number | Name           | Date     |
| Rong Fang | 25.10.05 | Chr. Janßen | 22.12.20 | g00  | 20-1927                   | S. Huber-Siegl | 22.12.20 |

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.com](http://www.rosenberger.com)

Tel. : +49 8684 18-0  
Email : [info@rosenberger.com](mailto:info@rosenberger.com)

Page  
2 / 2

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [RF Adapters - Between Series](#) category:*

*Click to view products by [Rosenberger](#) manufacturer:*

Other Similar products are found below :

[5945-9503-000](#) [MCX/F-SMA/M](#) [R192417010](#) [ADBJ20-E1-BJ379](#) [ADM2](#) [ADPL75-A1-PL75](#) [242191](#) [9317505](#) [29-3835P](#) [AD130](#) [ADBJ20-E1-PL74](#) [ADBJ20-E2-BJ79](#) [ADBJ77-A1-PL375](#) [ADBJ77-E1-UPL20](#) [ADRMF370](#) [242215](#) [242228](#) [R125680000W](#) [R192430000](#) [UAD95](#) [1057367-1](#) [8311505](#) [R114704000](#) [R451034500](#) [R451030500](#) [R451543000](#) [HDVDPN](#) [ADBJ20-K1-PL20](#) [R451570000](#) [R451034000](#) [J9](#) [J3WE-5](#) [R451032500](#) [242201RP](#) [17K132-K00S5](#) [AD-RSMAF-RTNC](#) [53K156-K00N5](#) [02K119-K00E3](#) [29S132-K01N5](#) [53S156-K00N5](#) [02S119-S00E3](#) [28K132-K00N5](#) [02S109-K00S3](#) [27-8200TP](#) [242235](#) [ADBJ20-E1-BJ89](#) [000-2900](#) [321-102-003 \(SMA-50/2-H155/W1.03 AU\)](#) [1057377-1](#) [321-350-001 \(SMA-50-R/2-RG316/N2.01\)](#)