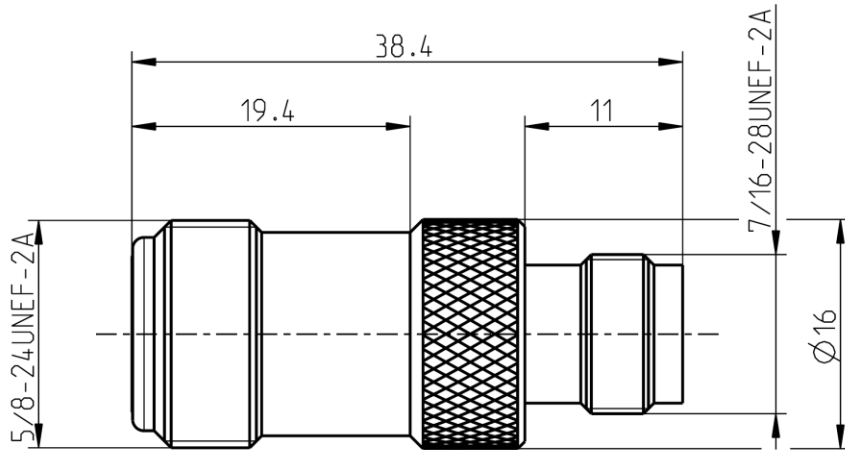


N 50 Ω

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®)

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 ≤ 0.1 x √f [GHz] 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	Rong Fang	21.03.23	h00	23-0004	S. Huber-Siegl	21.03.23

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