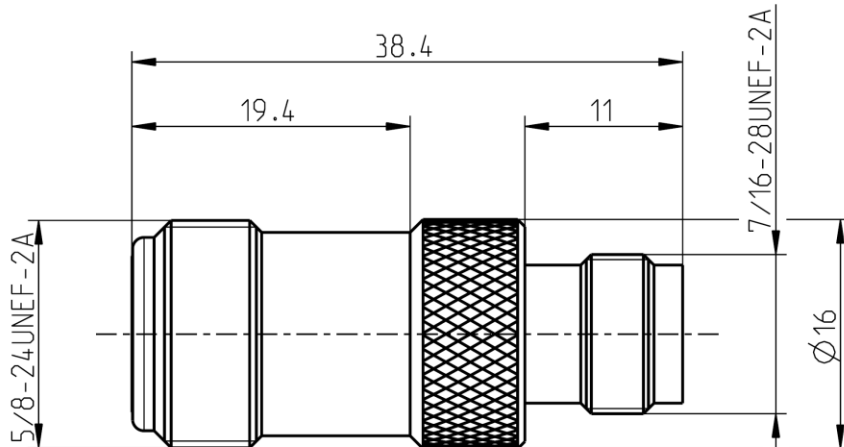


N 50 Ω

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 x10³ 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

Mating cycles N side min. 500 TNC side 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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