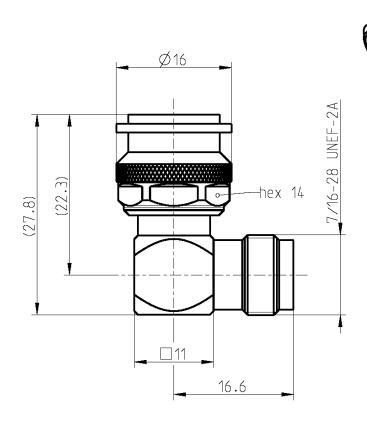
Technica	al Data Sheet	Rosenberger		
TNC 50 Ω	Adaptor Plug – Jack	56S201-K00N5		



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 Plating

Brass AuroDur®, gold plated
CuBe AuroDur®, gold plated

Brass Flash white bronze over silver(e.g. Optargen®)
Brass Flash white bronze over silver(e.g. Optargen®)

PTFE

NeopreneCR 50C6

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Technical Data Sheet

Rosenberger

TNC 50 Ω

Adaptor Plug – Jack

56S201-K00N5

Electrical data

Impedance 50 Ω

Frequency DC to 10 GHz Return loss \geq 35 dB, DC to 2 GHz \geq 22 dB, 2 to 3 GHz

 \geq 18 dB, 3 to 4 GHz

Insertion loss $\leq 0.05 \text{ x } \sqrt{\text{ f [GHz] dB, DC to 4 GHz}}$

 $\begin{array}{lll} \mbox{Insulation resistance} & \geq 5 \ \mbox{G}\Omega \\ \mbox{Center contact resistance} & \leq 1.5 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 1 \ \mbox{m}\Omega \\ \mbox{Test voltage} & 1500 \ \mbox{V rms} \\ \mbox{Working voltage} & 500 \ \mbox{V rms} \\ \mbox{Power handling (at 20 °C, sea level, VSWR 1.0)} & \leq 80 \ \mbox{W} \ \mbox{@ 2 GHz} \\ \end{array}$

Mechanical data

Mating cycles ≥ 500 Center contact captivation: axial $\geq 15 \text{ N}$ Coupling test torque $\leq 1.7 \text{ Nm}$

Recommended torque 0.46 Nm to 0.69 Nm

Environmental data

Temperature range -65 °C to +165 °C

Thermal shock MIL-STD-202, Method 107, Condition B

Corrosion MIL-STD-202, Method 101, Condition B

Vibration MIL-STD-202, Method 204, Condition B Shock MIL-STD-202, Method 213, Condition G

N/A

Moisture resistance MIL-STD-202, Method 106

RoHS compliant

Tooling

N/A

Suitable cables

Weight

Weight 24 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
Inge Mühlauer	10.08.04	Chr. Janßen	02.02.21	e00	20-1927	S. Huber-Siegl	02.02.21

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