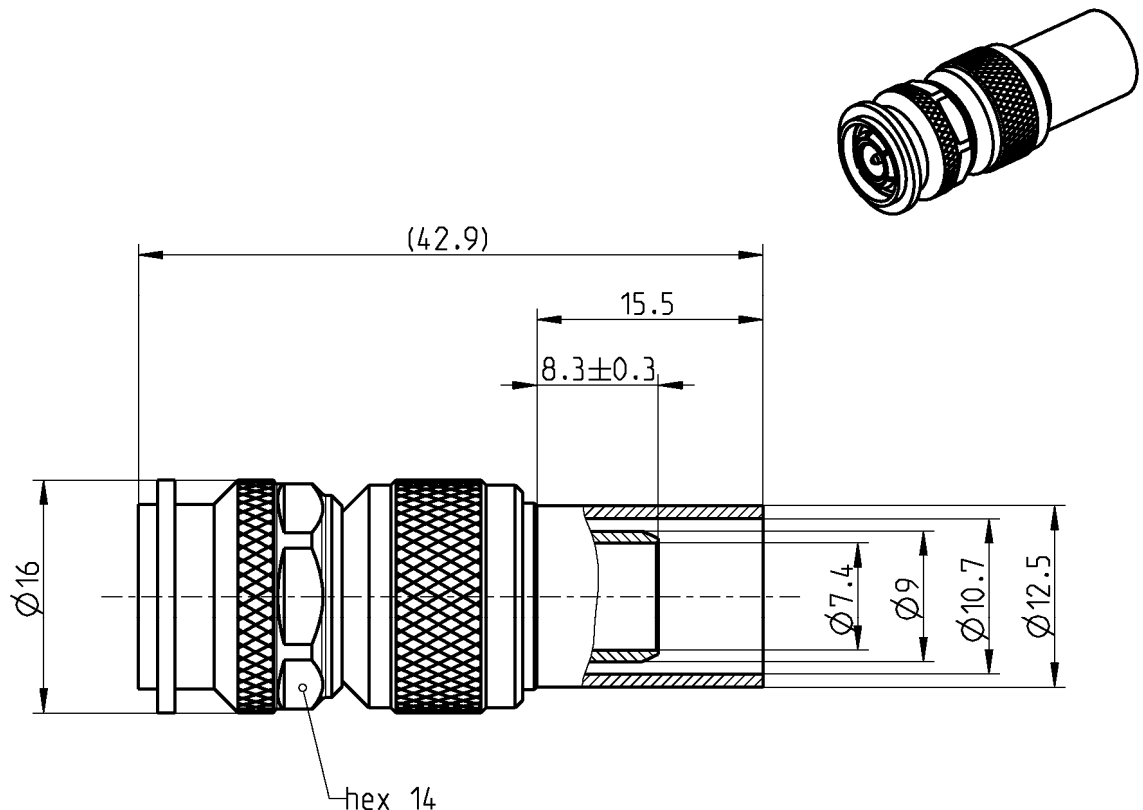


TNC 50
Ω STRAIGHT PLUG

56S101-115N5



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

Assembly instruction 51 O

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket
Crimping ferrule

Material

Brass
Brass
Brass
PTFE
NeopreneCR 50C6
Copper

Plating

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

TNC 50
Ω**STRAIGHT PLUG****56S101-115N5****Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 20 dB, 1 to 2 GHz ≥ 16 dB, 2 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f \text{ [GHz]}}$ dB, DC to 6 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

*- Limitations are possible due to the used cable type -***Mechanical data**

Mating cycles	min. 500
Coupling test torque	max. 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65°C to +165°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. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-215

Suitable cables

RG 213 /U

Weight

Weight	30.7 g/pce
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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	10/08/04	Sa. Krautenbacher	20.03.14	d00	14-0352	T. Krojer	20.03.14
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