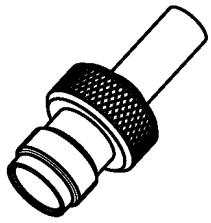
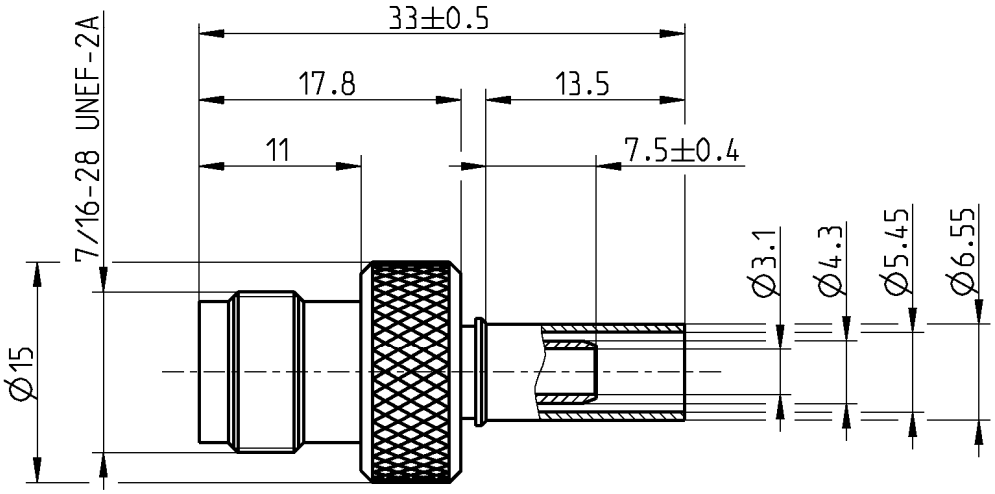
Technical Data Sheet		Rosenberger
TNC 50 Ω	STRAIGHT JACK	**56K107-106N5**





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 P1

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Crimping ferrule	Copper	Flash white bronze over silver(e.g. Optargen®)

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 33 dB, DC to 2.5 GHz ≥ 30 dB, 2.5 to 5 GHz ≥ 28 dB, 5 to 8 GHz
Insertion loss	≤ 0.05 dB, DC to 8 GHz
Insulation resistance	≥ 5 GΩ
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	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 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, 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
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-208

Suitable cables

RG 141 /U, RG 58 C/U

Weight

Weight	13.7 g/pce

Draft	Date	Approved	Date
Chr. Entsfellner	24.07.08	Sa. Krautenbacher	19.03.14

Rev.	Engineering change number	Name	Date
e00	14-0352	T. Krojer	19.03.14

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