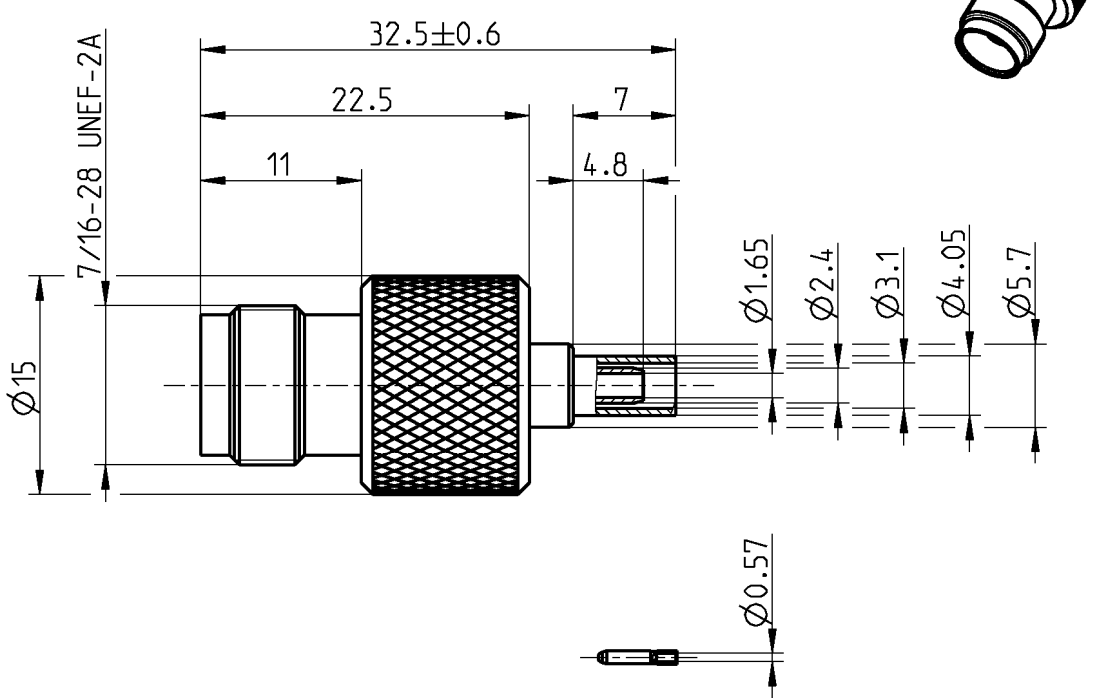


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RF_35/08.13/6.1

Technical Data Sheet		Rosenberger
TNC 50 Ω	STRAIGHT JACK	56K107-802N5
		
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 T
Material and plating		
Connector parts		
Center contact	Material	Plating
Outer contact	CuBe	AuroDur®, gold plated
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	Brass	Flash white bronze over silver(e.g. Optargen®)
Crimping ferrule	PTFE	
	Copper	Flash white bronze over silver(e.g. Optargen®)
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de
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Technical Data Sheet

Rosenberger

TNC 50 Ω

STRAIGHT JACK

56K107-802N5

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 29 dB, DC to 1 GHz ≥ 25 dB, 1 to 2.5 GHz ≥ 17 dB, 2.5 to 4 GHz
Insertion loss	≤ 0.05 x $\sqrt{f}$ [GHz] dB, DC to 4 GHz
Insulation resistance	≥ 5 x 10 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	≥ 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	11W150-402

Suitable cables

RG 316 /U, RG 174 A/U, RG 188 A/U

Weight

Weight	19.6 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
Chr. Entsfellner	24.07.08	Sa. K.	19.03.14	e00	14-0352	T. Krojer	19.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de			Page 2 / 2