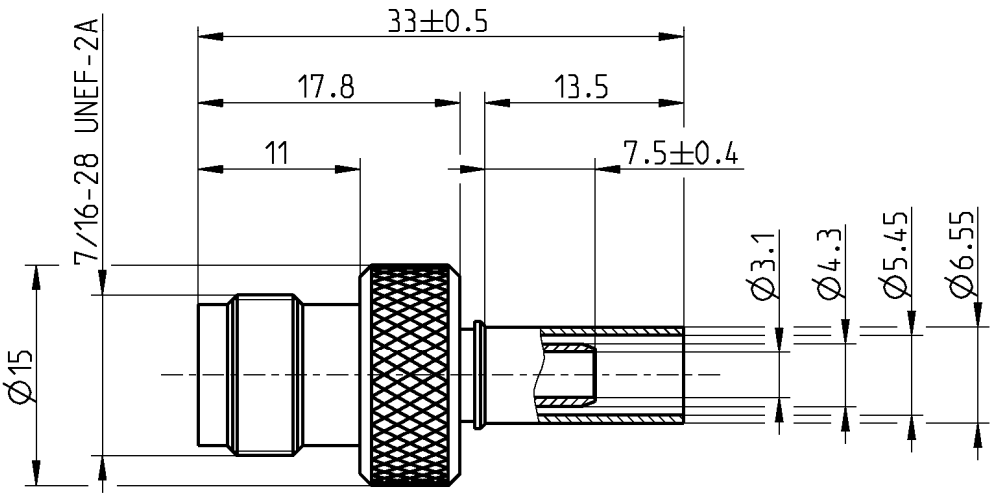


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RF_35/08.13/6.1

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		
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		56K107-106N5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage Working voltage Power handling (at 20 °C, sea level, VSWR 1.0) 50 Ω DC to 10 GHz ≥ 33 dB, DC to 2.5 GHz ≥ 30 dB, 2.5 to 5 GHz ≥ 28 dB, 5 to 8 GHz ≤ 0.05 dB, DC to 8 GHz ≥ 5 GΩ ≤ 1.5 mΩ ≤ 1 mΩ 1500 V rms 500 V rms ≤ 80 W @ 2 GHz - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Center contact captivation: axial Coupling test torque Recommended torque ≥ 500 ≥ 15 N ≤ 1.7 Nm 0.46 Nm to 0.69 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance RoHS -65 °C to +165 °C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 101, Condition B MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 213, Condition G MIL-STD-202, Method 106 compliant							
Tooling Crimping tool Crimp insert 11W150-000 11W150-208							
Suitable cables RG 141 /U, RG 58 C/U							
Weight Weight 13.7 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.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Chr. Entfellner	24.07.08	Sa. Krautenbacher	19.03.14	e00	14-0352	T. Krojer	19.03.14
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