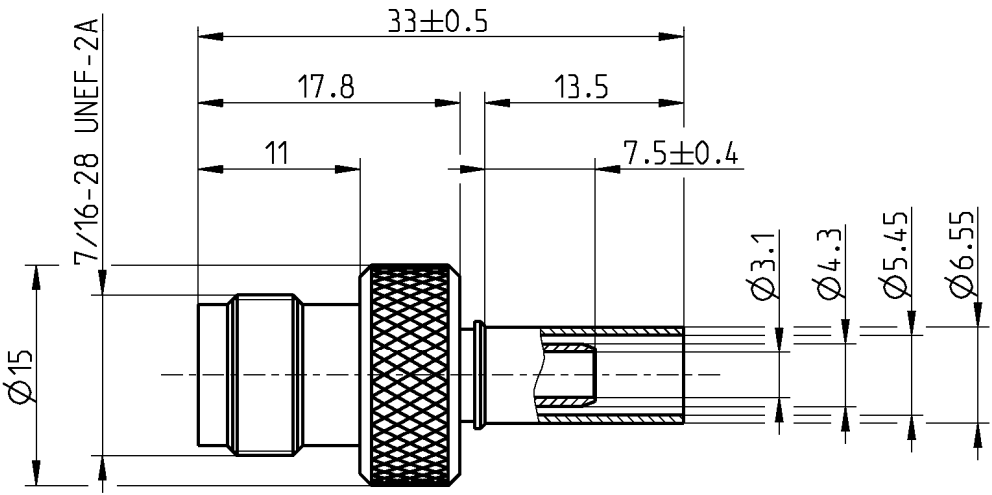


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RF_35/08.13/6.1

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 Outer contact Body Dielectric Crimping ferrule Material CuBe Brass Brass PTFE 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®)		
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 Impedance50 Ω FrequencyDC 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 voltage1500 V rms Working voltage500 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 torque0.46 Nm to 0.69 Nm Environmental data Temperature range-65 °C to +165 °C Thermal shockMIL-STD-202, Method 107, Condition B CorrosionMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition G Moisture resistanceMIL-STD-202, Method 106 RoHScompliant Tooling Crimping tool11W150-000 Crimp insert11W150-208 Suitable cables RG 141 /U, RG 58 C/U Weight Weight13.7 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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