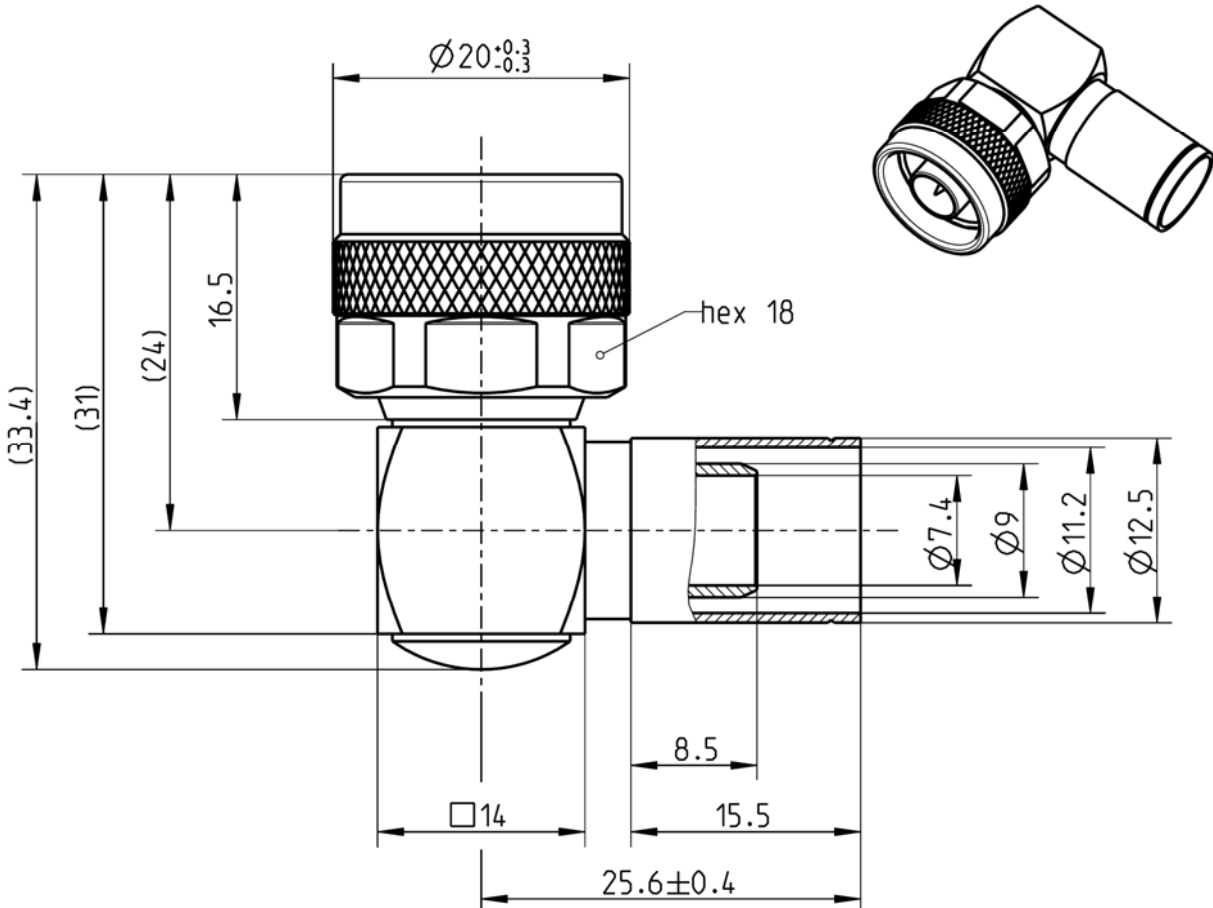


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RF_35/05.10/6.0

Technical Data Sheet		Rosenberger
N 50 Ω	RIGHT ANGLE PLUG	53S205-317N5
 All dimensions are in mm; tolerances according to ISO 2768 m-H Interface According to IEC 61169-16, MIL-PRF-39012, CECC 22210 Documents Assembly instruction 53 S5 Material and plating Connector parts Center contact Outer contact Body Dielectric Gasket Crimping ferrule Material Brass Brass Brass PTFE Silicone 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 Email : info@rosenberger.de
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Technical Data Sheet				Rosenberger			
N 50 Ω		RIGHT ANGLE PLUG		53S205-317N5			
Electrical data Impedance50 Ω FrequencyDC to 11 GHz Return loss≥ 35 dB @ DC to 1 GHz ≥ 28 dB @ 1 GHz to 2 GHz ≥ 18 dB @ 2 GHz to 4 GHz Insertion loss≤ 0.1 x √f [GHz] dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 1 mΩ Outer contact resistance≤ 0.25 mΩ Working voltage (at sea level)500 V rms Power handling (at 20 °C, sea level, VSWR 1.0)1000 W @ 1 GHz 700 W @ 2 GHz RF-leakage≥ 128 dB @ DC to 1 GHz - Limitations are possible due to the used cable type - Mechanical data Mating cycles≥ 500 Coupling nut retention≥ 450 N Center contact captivation: axial ≥ 28 N radial ≥ 3 Ncm Coupling test torque≤ 1.7 Nm Recommended torque0.7 Nm to 1.1 Nm Environmental data Temperature range-55 °C to +155 °C Thermal shockMIL-STD-202, Method 107, Condition B Corrosion resistanceMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition I Moisture resistanceMIL-STD-202, Method 106 RoHScompliant Tooling Crimping tool11W150-000 Crimp insert11W150-115 Suitable cables RG 214 /U, RG 393 /U Weight Weight43.7 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
Inge Mühlbauer	08/06/04	J_Gramsamer	20.04.15	d00	15-0397	J_Krautenb.	20.04.15
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