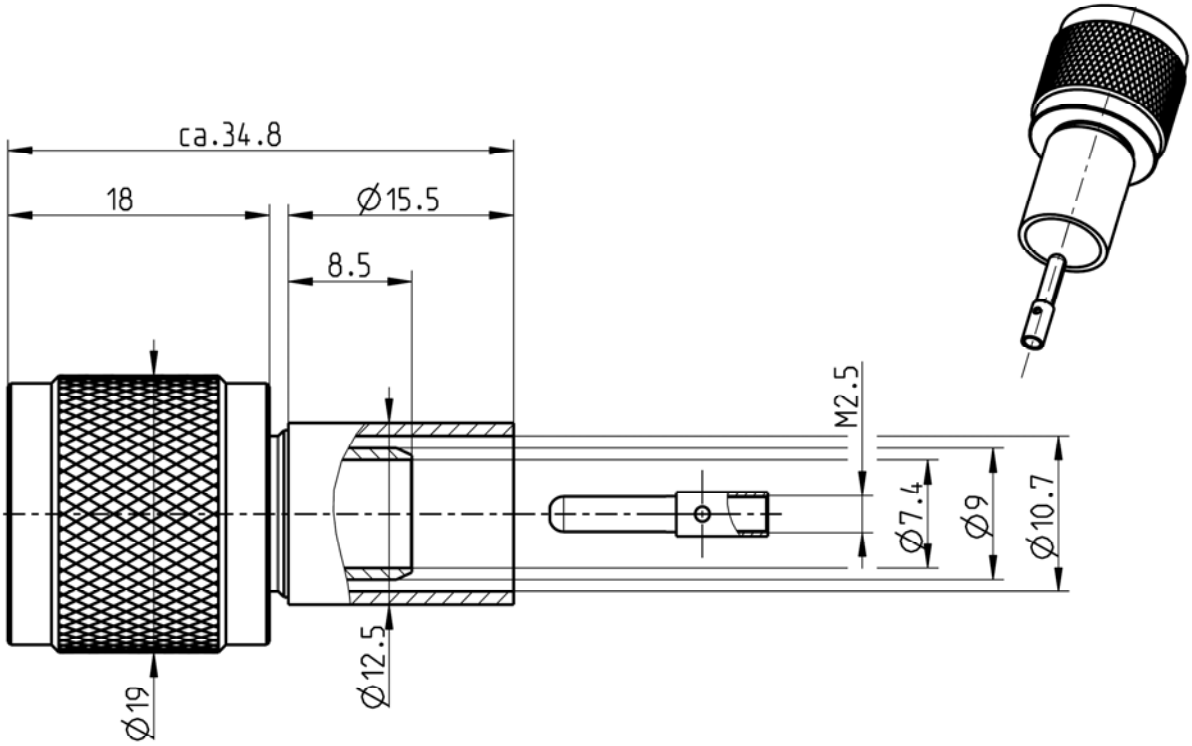
TECHNICAL DATA SHEET

Rosenberger®

UHF STRAIGHT PLUG

54S101-115A1



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	IEC 60169-12

Documents

Assembly instruction	54 E1

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	Silver, 3-6 µm
Outer contact	Brass	Nickel, 2.5-5 µm
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Coupling nut	Brass	Nickel, 2.5-5 µm

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Electrical data

Impedance	N/A
Frequency	DC to 300 MHz
Insulation resistance	≥ 5 x 10^3 MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	2000 V rms
Working voltage	750 V rms
Contact current (DC)	≤ 10 A typ.
Power handling (at 20 °C, sea level, VSWR 1.0)	400 W typ. @ 300 MHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 50 N

Environmental data

Temperature range	-25°C to +70°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
2002/95/EC (RoHS)	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-215

Suitable cables

RG 213 /U

Packing

Standard	50 pcs in bag
Weight	31.94 g/pce

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