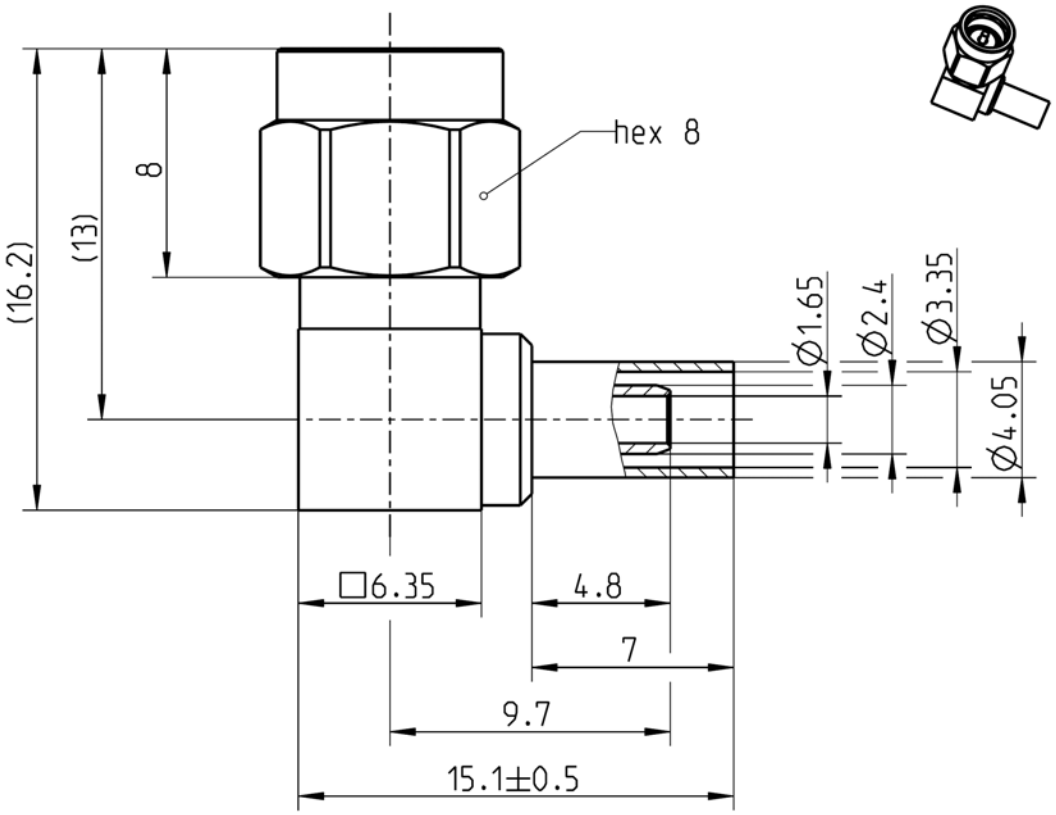
TECHNICAL DATA SHEET	Rosenberger
SMA RIGHT ANGLE PLUG	**32S207-303L5**



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

Interface

According to: IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

Assembly instruction: 32 B6

Material and plating

Connector parts	Material	Plating
Center contact	Brass	AuroDur®, gold plated
Outer contact	CuBe or equivalent	AuroDur®, gold plated
Body	Brass	AuroDur®, gold plated
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut	CuBe or equivalent	Gold, 0.1 µm
Crimping ferrule	Copper	AuroDur®, gold plated

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Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz
Insertion loss	≤ 0.04 x $\sqrt{f(GHz)}$ dB, DC to 5 GHz
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +165°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. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

TZC 502 2101, RG 316 /U-d, K 02252 D

Weight

Weight	4.70 g/pce

Draft	Date	Approved	Date
Rong Fang	15/03/04	Sa. Krautenbacher	17.03.14

Rev.	Engineering change number	Name	Date
e00	14-0352	T. Krojer	17.03.14

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