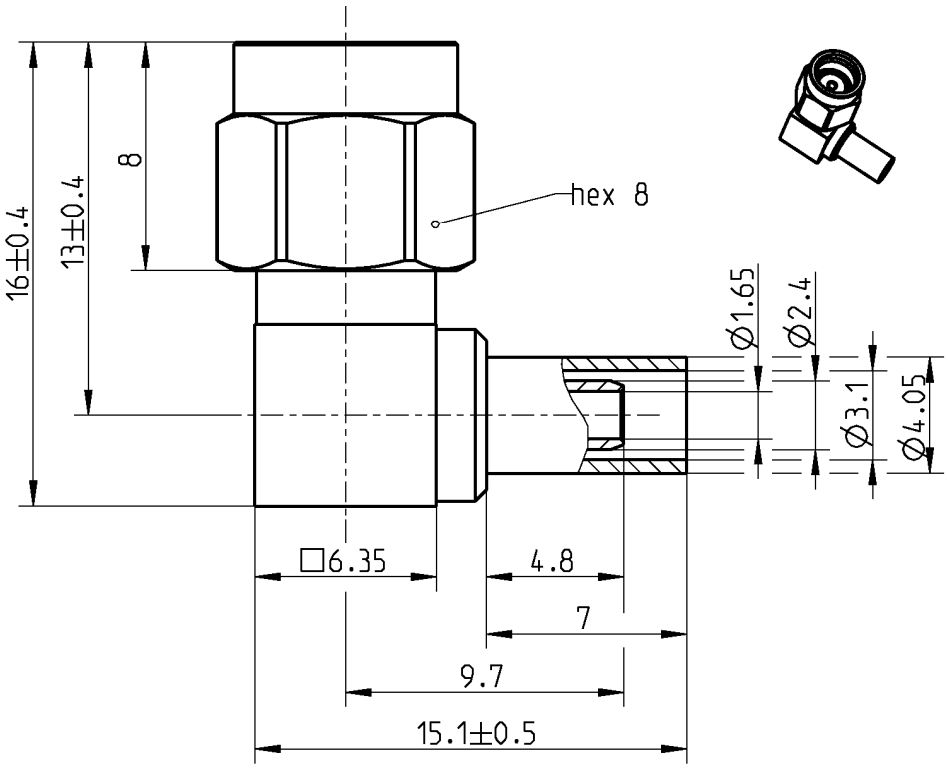
TECHNICAL DATA SHEET

Rosenberger

Reverse SMA

RIGHT ANGLE PLUG
REVERSE POLARITY

32RS247-302L5



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

Interface

According to	Rosenberger 32RS000-000, series reverse SMA
Derived from	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310
Compliant with	FCC standard (part 15; section 15.203)

Documents

Assembly instruction	32 B6

Material and plating

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

RF_35/12.04/3.0

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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	≤ 0.05 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. 100
Coupling nut retention	≥ 180 N
Center contact captivation: axial	≥ 20 N
Coupling test torque	max. 0.6 Nm
Recommended torque	0.5 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

RG 174 A/U, RG 188 A/U, RG 316 /U

Weight

Weight	4.9 g/pce

Draft	Date	Approved	Date
Chr. Entsfellner	09/07/08	Sa. Krautenbacher	14.03.14

Rev.	Engineering change number	Name	Date
d00	14-0352	T. Krojer	14.03.14

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