



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 B5

Material and plating

Connector parts

	Material	Plating
Center contact	Beryllium copper	AuroDur, gold plated
Outer contact	Brass	AuroDur, gold plated
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut	Brass	Gold, 0.1 µm min.
Crimping ferrule	Copper	AuroDur, gold plated

Reverse SMA STRAIGHT PLUG REVERSE POLARITY

32RS147-302L5

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz]
Insertion loss	≤ 0.05 x √f(GHz) dB
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	≥ 27 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	3.2 g/pce
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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
Gramsamer Sepp	22/02/05	Sa. Krautenbacher	14.03.14	d00	14-0352	T. Krojer	14.03.14
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						Page 2 / 2	