



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

**Interface**

According to  
Compliant with  
Derived from

Rosenberger SMA Reverse  
FCC standard (part 15, section 15.203)  
IEC 60169-15, EN 122110, MIL-PRF-39012

**Documents**

Assembly instruction

32 B6

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Gasket  
Coupling nut  
Crimping ferrule

**Material**

CuBe  
Brass  
Brass  
PTFE  
Silicone  
Brass  
Copper

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated  
AuroDur®, gold plated  
  
AuroDur®, gold plated  
Gold, 0.1 µm

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RF\_35/09.14/6.2

# Technical Data Sheet

# Rosenberger

SMA  
Reverse

Right Angle Plug  
Reverse Polarity

## 32RS247-302L5

### Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	$\leq 1.05 + 0.01 \times f$ [GHz], DC to 5 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB, DC to 5 GHz
Insulation resistance	$\geq 5 \times 10^3$ MΩ
Center contact resistance	$\leq 3$ mΩ
Outer contact resistance	$\leq 2$ mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200$ W @ 2 GHz
RF-leakage	$\geq 100$ dB up to 1 GHz

- Limitations are possible due to the used cable type -

### Mechanical data

Mating cycles	min. 100
Coupling nut retention	$\geq 180$ N
Center contact captivation: axial	$\geq 20$ 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

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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