



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

**Interface**

Reverse SMA side:	according to derived from compliant with	Rosenberger 32RK000-000, series reverse SMA IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310 FCC standard (part 15; section 15.203)
SMA side:	according to	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Dielectric
- Gasket
- Coupling nut

**Material**

- Brass
- CuBe or equivalent
- PTFE
- Silicone
- CuBe or equivalent

**Plating**

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

**Electrical data**

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR	$\leq 1.05 + 0.005 \times f$ [GHz]	
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB	
Insulation resistance	$\geq 5 \times 10^3$ MΩ	
Center contact resistance	$\leq 3$ mΩ, reverse SMA side;	$\leq 3$ mΩ, SMA side
Outer contact resistance	$\leq 2$ mΩ, reverse SMA side;	$\leq 2$ mΩ, SMA side
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	

**Mechanical data**

	Reverse SMA side	SMA side
Mating cycles	min. 500	min. 500
Coupling nut retention	N/A	$\geq 270$ N
Center contact captivation:	axial	$\geq 27$ N
	radial	$\geq 3$ Ncm
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm	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**

N/A

**Suitable cables**

N/A

**Weight**

Weight 4.0 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Entsfallner Chr.	30/01/08	Sa. Krautenbacher	14.03.14	d00	14-0352	T. Krojer	14.03.14
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