



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

Interface

Reverse SMA side:	according to derived from compliant with	Rosenberger SMA Reverse IEC 60169-15; EN 122110; MIL-PRF-39012 FCC standard (part 15; section 15.203)
SMA side:	according to	IEC 60169-15; EN 122110; MIL-PRF-39012

Documents

N/A

Material and plating

Connector parts

Center contact	Material CuBe	Plating AuroDur®, gold plated
Outer contact	Stainless steel	AuroDur®, gold plated
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut	CuBe or equivalent	AuroDur®, gold plated

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RF_35/09.14/6.2

Technical Data Sheet

Rosenberger

SMA
Reverse

Adaptor
SMA Plug – SMA Jack

32RS132-K00L5

Electrical data

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

Mechanical data

Mating cycles	Reverse SMA side min. 500	SMA side min. 500
Coupling nut retention	≥ 270 N	N/A
Center contact captivation: axial	≥ 27 N	≥ 27 N
radial	≥ 3 Ncm	≥ 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 3.9 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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