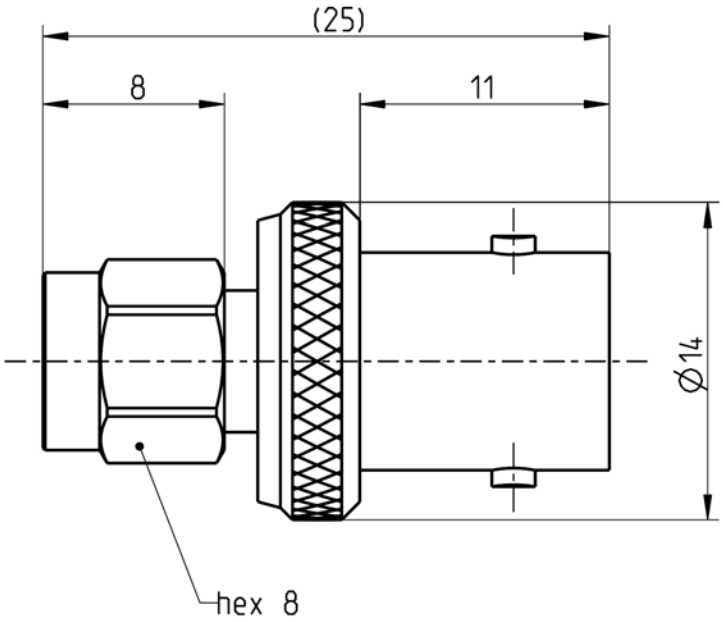
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR SMA PLUG – BNC 50 Ω JACK	**32S151-K00L5**



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

Interface

According to	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310
	BNC side:	IEC 60169-8, MIL-PRF-39012, CECC 22120

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact SMA side	CuBe or equivalent	AuroDur®, gold plated
Outer contact BNC side	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut SMA side	CuBe or equivalent	Gold, 0.1 µm

RF_35/12.04/3.0

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Electrical data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
VSWR	≤ 1.05 + 0.005 x f [GHz]	
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB	
Insulation resistance	≥ 5 x10^3 MΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 1.5 mΩ, BNC side
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 1 mΩ, BNC side
Test voltage	1000 V rms	
Working voltage	400 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz	

Mechanical data

	SMA side	BNC side
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 270 N	N/A
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A

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	9.0 g/pce

Draft	Date	Approved	Date
Rong Fang	13/09/04	Sa. Krautenbacher	17.03.14

Rev.	Engineering change number	Name	Date
h00	14-0352	T. Krojer	17.03.14

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