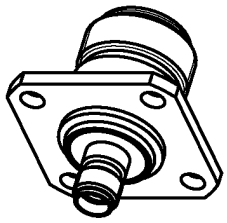
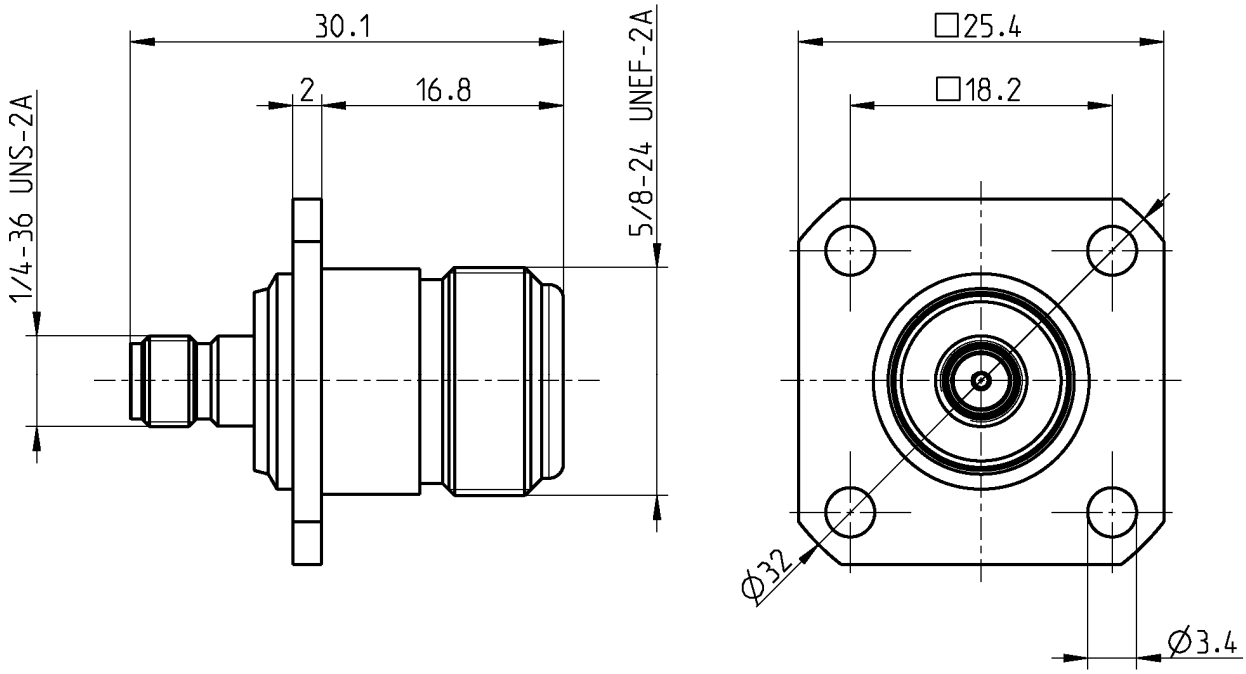
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR SMA JACK – N JACK	**32K453-K00L5**





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

Interface

According to	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348
	N side:	IEC 60169-16, MIL-PRF-39012, CECC 22210

Documents

Panel piercing	B 12

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact SMA side	CuBe or equiv.	AuroDur®, gold plated
Outer contact N side	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Gasket	Silicone	

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Electrical data

Impedance	50 Ω	
Frequency	DC to 11 GHz	
VSWR	≤ 1.05 + 0.005 x f [GHz]	
Insertion loss	≤ 0.03 x $\sqrt{f(GHz)}$ dB	
Insulation resistance	≥ 5 x10^3 MΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 1 mΩ, N side
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 0.25 mΩ, N 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

	N side	SMA side
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-55°C to +155°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	33.3 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	21/09/04	J_Krautenbacher	21.07.16	f00	15-1629	I_Wallner	21.07.16

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