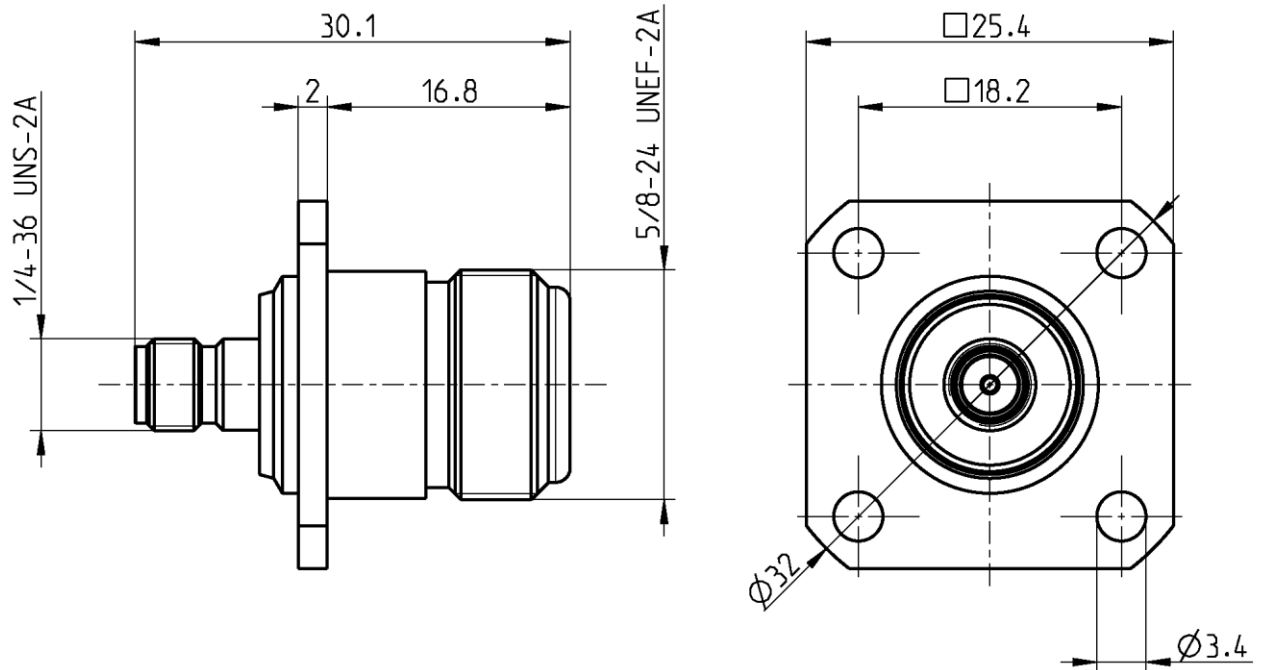
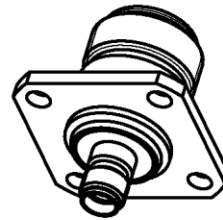


SMA

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-348A, Fig. 310
N side: IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

Panel piercing B 12

Material and plating

Connector parts

Center contact
Outer contact SMA side
Outer contact N side
Dielectric

Material

CuBe
CuBe or equiv.
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Nickel, 2.5-5 μm

Technical Data Sheet

Rosenberger

SMA

Adaptor
SMA Jack – N Jack

32K453-K00L5

Electrical data

Impedance	50 Ω	
Frequency	DC to 11 GHz	
VSWR	$\leq 1.05 + 0.005 \times f \text{ [GHz]}$	
Insertion loss	$\leq 0.03 \times \sqrt{f \text{ [GHz]}} \text{ dB}$	
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$	
Center contact resistance	$\leq 3 \text{ m}\Omega$, SMA side	$\leq 1 \text{ m}\Omega$, N side
Outer contact resistance	$\leq 2 \text{ m}\Omega$, SMA side	$\leq 0.25 \text{ m}\Omega$, N side
Test voltage	1000 V rms	
Working voltage	480 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz}$	
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$	

Mechanical data

	N side	SMA side
Mating cycles	min. 500	min. 500
Center contact captivation: axial	$\geq 28 \text{ N}$	$\geq 28 \text{ N}$
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
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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
Rong Fang	21.09.04	Chr. Janßen	10.11.20	h00	20-1927	S. Huber-Siegl	10.11.20

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