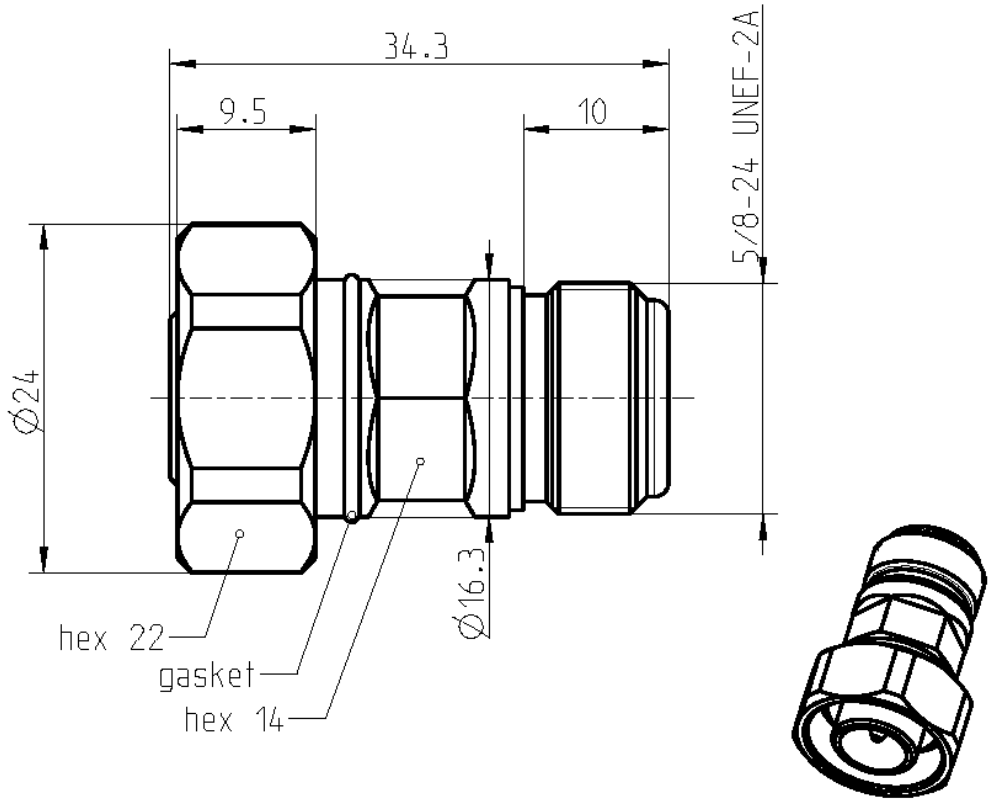
Technical Data Sheet		Rosenberger
4.1-9.5	Adaptor 4.1-9.5 Plug – N Jack	**65S153-KIMN1**



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

Interface

According to	4.1-9.5 side:	IEC 60169-11, DIN 47231
	N side:	IEC 61169-16, MIL-PRF-39012, CECC 22210

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Silver, 3-6 µm
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	Silicone	

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Electrical data

Impedance		50 Ω
Frequency		DC to 14 GHz
Return loss		≥ 35 dB @ DC to 2.7 GHz ≥ 32 dB @ 2.7 GHz to 4 GHz ≥ 30 dB @ 4 GHz to 6 GHz
Insertion loss		≤ 0.1 x $\sqrt{f\ [GHz]}$ dB
Insulation resistance		≥ 5 GΩ
Center contact resistance		≤ 1 mΩ
Outer contact resistance		≤ 0.25 mΩ
Test voltage (at sea level)		2500 V rms
Working voltage (at sea level)		500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)		1000 W @ 1 GHz 700 W @ 2 GHz
RF-leakage		≥ 114 dB @ DC to 1 GHz
Intermodulation (3rd order)		≥ 155 dBc (2 x 43 dBm)

Mechanical data

Mating cycles		≥ 500
Coupling nut retention		≥ 500 N
Center contact captivation: axial		≥ 80 N
Coupling torque (recommended)	4.1-9.5	10 Nm
	N	0.7 Nm to 1.1 Nm
Proof torque	4.1-9.5	15 Nm
	N	1.7 Nm

Environmental data

Temperature range	-40 °C to +85 °C
Climatic category	IEC 60068-1 (40/85/21)
Dry Heat	IEC 60169-1, Sub-clause 16.2.1
Damp Heat (steady state)	IEC 60169-1, Sub-clause 16.2.2
Cold	IEC 60169-1, Sub-clause 16.2.3
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4
Corrosion resistance	IEC 60169-1, Sub-clause 16.7
Vibration	IEC 60169-1, Sub-clause 15.2.2
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar 1 h
RoHS	compliant

Weight

Weight	46.15 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
M. Wimmer	22.08.2013	A_Gasteiger	30.11.15

Rev.	Engineering change number	Name	Date
a00	15-s434	S. Huber-Siegl	30.11.15

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG