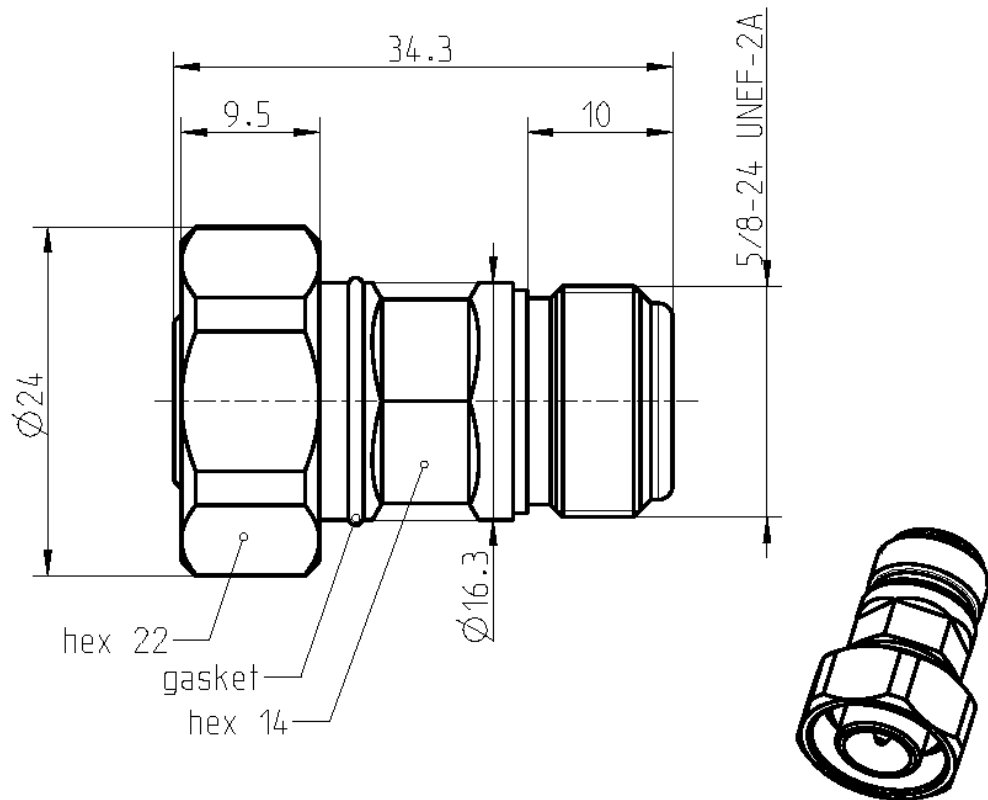




All dimensions are in mm; tolerances according to ISO 2768 m-H

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

Center contact
Outer contact
Dielectric
Gasket

Material

CuBe
Brass
PTFE
Silicone

Plating

Silver, 3-6 μ m
Flash white bronze over silver(e.g. Optargen®)

RF_35/05.10/6.0
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Technical Data Sheet				Rosenberger			
4.1-9.5		Adaptor 4.1-9.5 Plug – N Jack		65S153-KIMN1			
Electrical data Impedance50 Ω FrequencyDC 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 √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)4.1-9.510 Nm N0.7 Nm to 1.1 Nm Proof torque4.1-9.515 Nm N1.7 Nm							
Environmental data Temperature range-40 °C to +85 °C Climatic categoryIEC 60068-1 (40/85/21) Dry HeatIEC 60169-1, Sub-clause 16.2.1 Damp Heat (steady state)IEC 60169-1, Sub-clause 16.2.2 ColdIEC 60169-1, Sub-clause 16.2.3 Rapid change of temperatureIEC 60169-1, Sub-clause 16.4 Corrosion resistanceIEC 60169-1, Sub-clause 16.7 VibrationIEC 60169-1, Sub-clause 15.2.2 Degree of protection (mated pair)IEC 60529, IP68 2.5 bar 1 h RoHScompliant							
Weight Weight46.15 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	Rev.	Engineering change number	Name	Date
M. Wimmer	22.08.2013	A_Gasteiger	30.11.15	a00	15-s434	S. Huber-Siegl	30.11.15
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