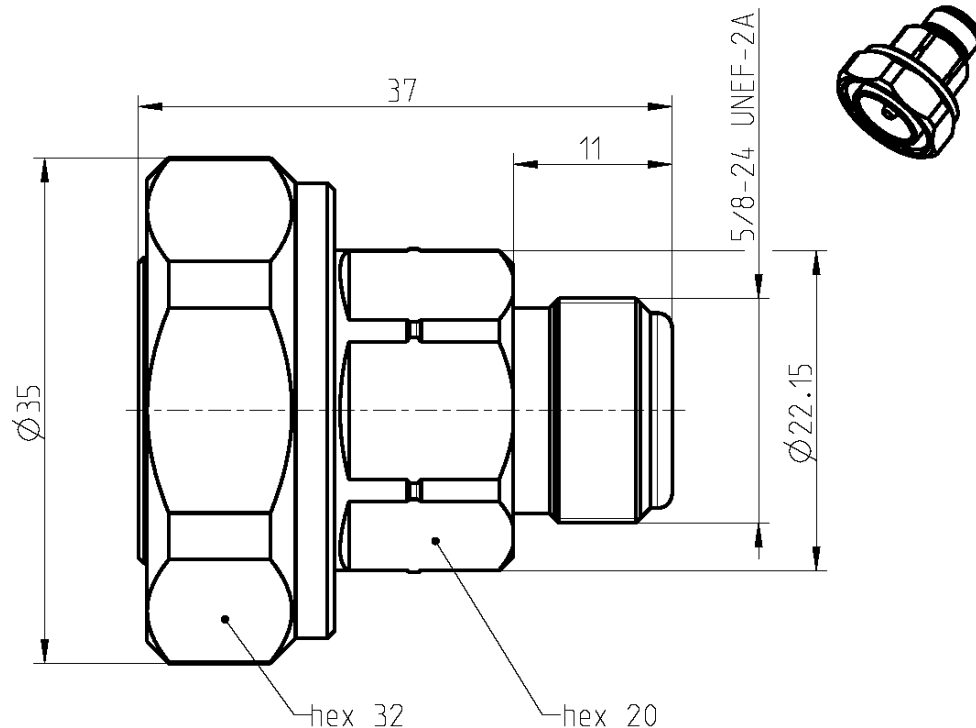




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to N side: IEC 61169-16, MIL-PRF-39012, CECC 22210
7/16 side: IEC 61169-4, EN 122190, DIN 47223

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Gasket

Material

CuBe or equiv.
Brass
PTFE
Silicone

Plating

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

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Technical Data Sheet				Rosenberger			
7-16/N		Adaptor 7/16 Plug – N Jack		60S153-KIMN1			
Electrical data Impedance50 Ω FrequencyDC to 8.3 GHz Return loss≥ 30 dB @ DC to 6 GHz ≥ 24 dB @ 6 GHz to 8.3 GHz Insertion loss≤ 0.05 x √f [GHz] dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 1 mΩ Outer contact resistance≤ 1.5 mΩ Test voltage (at sea level)2500 V rms Working voltage (at sea level)1400 V rms Power handling (at 20 °C, sea level, VSWR 1.0)1000 W @ 1 GHz 700 W @ 2 GHz RF-leakage≥ 128 dB @ DC to 1 GHz Intermodulation (3rd order)≤ -128 dBm @ 2 x 20 W Mechanical data Mating cyclesN side7/16 side ≥ 500≥ 500 Coupling nut retentionN/A≥ 1000 N Center contact captivation: axial≥ 200 N radial≥ 2 Ncm Coupling torque (recommended)0.7 to 1.1 Nm25 to 30 Nm Proof torque≤ 1.7 Nm≤ 35 Nm Environmental data Temperature range-55 °C to +155 °C Rapid change of temperatureDIN EN 122190, Sub-clause 4.6.7 Corrosion resistanceDIN EN 122190, Sub-clause 4.6.10 VibrationDIN EN 122190, Sub-clause 4.6.3 Climatic categoryDIN EN 122190, Sub-clause 4.6.5 (55/155/56) Damp heatDIN EN 122190 , Sub-clause 4.6.6 Degree of protection (mated pair)IEC 60529, IP68 2.5 bar 1 h RoHScompliant Packing Standard1 pcs in bag Weight83.5 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	
Benjamin Kaindl		15.03.12		M. Wimmer		17.10.13	
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