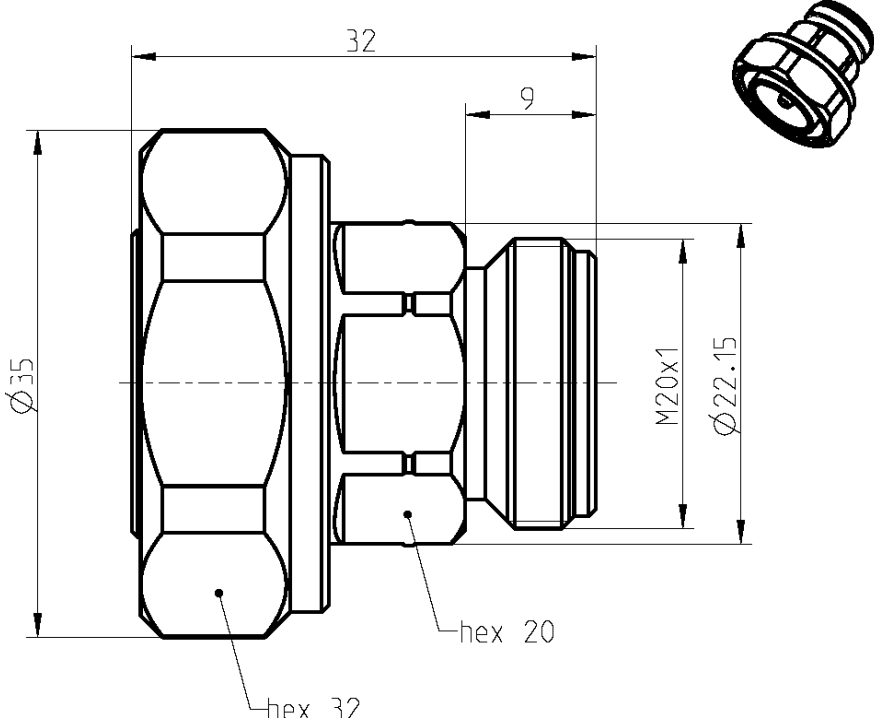


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Technical Data Sheet		Rosenberger Rosenberger Site Solutions, LLC
4.1-9.5 7-16	ADAPTOR 4.1/9.5 JACK - 7/16 PLUG	60S165-KIMN1
		
All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface		
According to	4.1/9.5 side: 7/16 side:	IEC 60169-11, DIN 47231 IEC 61169-4, EN 122190, DIN 47223
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	
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0		Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.rlss.us
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Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

4.1-9.5
7-16

ADAPTOR
4.1/9.5 JACK - 7/16 PLUG

60S165-KIMN1

Electrical data

Impedance	50 Ω
Frequency	DC to 8.3 GHz
Return loss	≥ 35 dB @ DC to 1 GHz ≥ 32 dB @ 1 GHz to 4 GHz ≥ 22 dB @ 4 GHz to 8.3 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f}$ [GHz] dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 1 m Ω
Outer contact resistance	≤ 1.5 m Ω
Test voltage (at sea level)	3000 V rms
Working voltage (at sea level)	1700 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 2 GHz
RF-leakage	≥ 128 dB @ DC to 1 GHz
Intermodulation (3 rd order)	≥ 168 dBc (2 x 43 dBm)

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque (recommended) 4.1/9.5	10 Nm
7/16	25 to 30 Nm
Proof torque 4.1/9.5	15 Nm
7/16	≤ 35 Nm

Environmental data

Temperature range	-55 °C to +155 °C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (55/155/56)
Damp heat	DIN EN 122190, Sub-clause 4.6.6
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar
RoHS	compliant

Weight

Weight	77.74 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Wimmer	12/10/12	Sa. Krautenbacher	21.03.14	b00	14-0352	T. Krojer	21.03.14
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