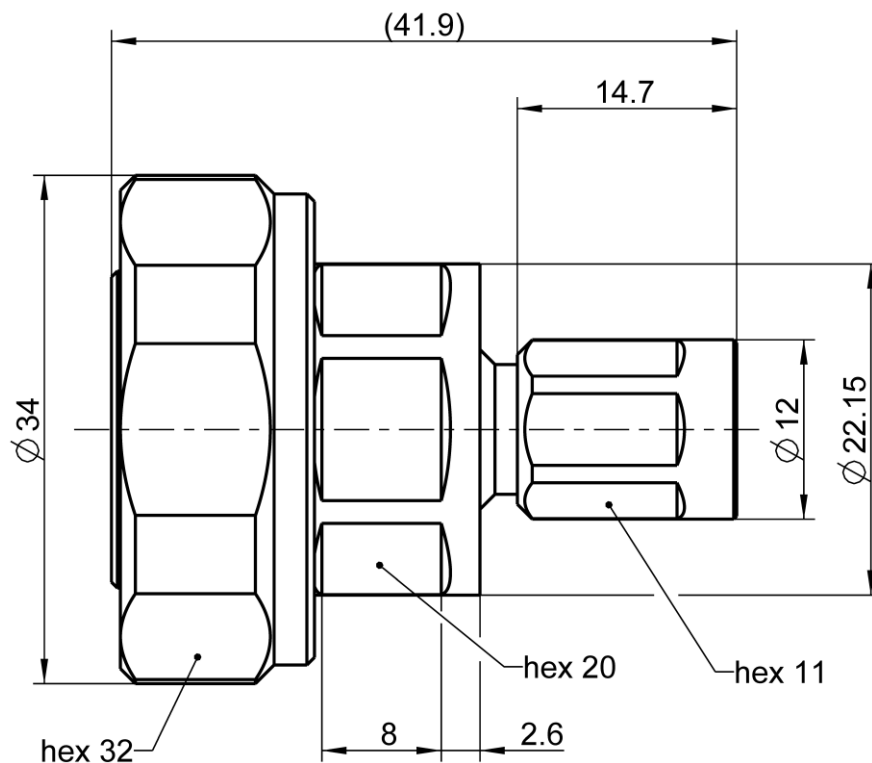


All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	NEX10 side:	NEX10®
	7/16 side:	IEC 60169-4, VG 95250, EN 122190, DIN 47223

Documents

Assembly instruction	N/A
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Material and Plating

Connector parts

Center contact		Material	Plating
Outer contact	7/16 side:	Brass	Silver, 3-6 μm
Outer contact	NEX10 side:	Brass	White bronze(e.g. Optalloy®)
Body		Spring bronze	Silver, 3-6 μm
Dielectric		Brass	White bronze(e.g. Optalloy®)
Gasket		PTFE	
		Silicone	

Technical Data Sheet				Rosenberger			
		Adaptor 7/16 Plug – NEX10 Plug		60S189-S00N1			
Electrical Data							
Impedance		50 Ω					
Frequency		DC to 8.3 GHz					
Return loss		≥ 30 dB @ DC to 4 GHz					
Insertion loss		≤ 0.05 x √ f [GHz] dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 1.5 mΩ, NEX10 side		≤ 0.4 mΩ, 7/16 side			
Outer contact resistance		≤ 1.5 mΩ, NEX10 side		≤ 1.5 mΩ, 7/16 side			
Working voltage		500 V rms					
RF-leakage		≥ 110 dB @ DC to 6 GHz					
Power handling		100 W @ 2.0 GHz and 85°C ambient temperature					
Intermodulation (3 rd order)		≥ 166 dBc (2 x 43 dBm) @ 0.4 – 6.0 GHz					
Mechanical Data							
		NEX10 side		7/16 side			
Mating cycles		≥ 100		min. 500			
Recommended torque		1.5 Nm		25 to 30 Nm			
Environmental Data							
Temperature range		-55 °C to +125 °C operating temperature					
Thermal shock		IEC 61169-1 9.4.4					
Vibration		IEC 61169-1 9.3.3 and IEC 60068-2-64					
Shock		IEC 61169-1 9.3.14					
Degree of protection (mated pair)		IEC 60529, IP68 24h / 1m					
RoHS		compliant					
Tooling							
		N/A					
Suitable Cables							
		N/A					
Weight							
Weight		81.2 g/pc					
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
F. Fraunhofer	05.01.2017	F. Fraunhofer	27.02.2019	a00	19-s019	S. Huber-Siegl	27.02.2019
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