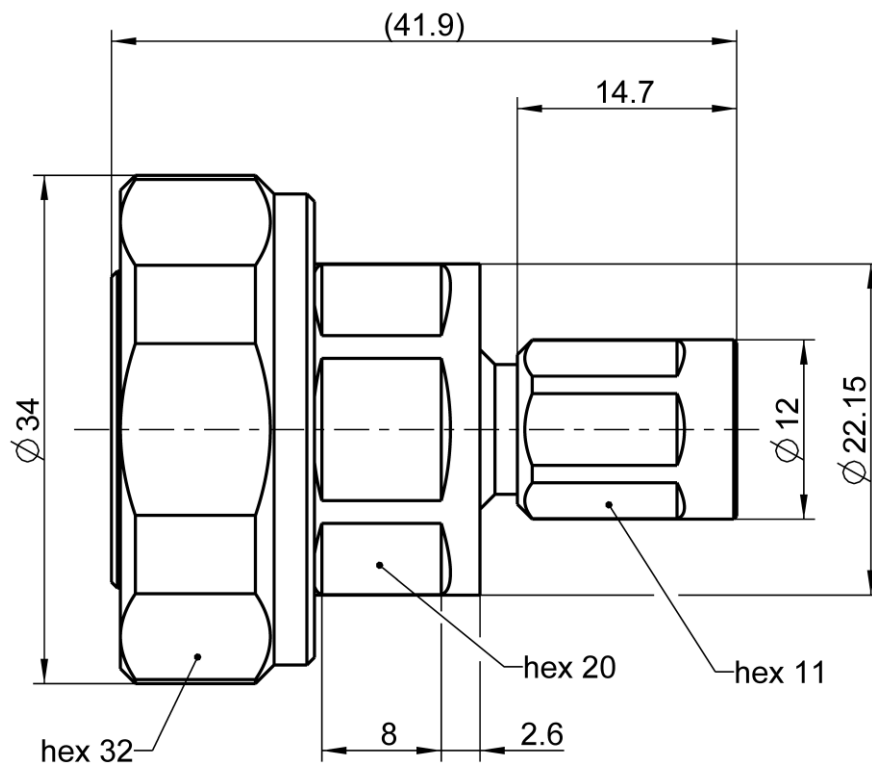


All dimensions are in mm; tolerances according to ISO 2768 m-H

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 Impedance50 Ω FrequencyDC 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 voltage500 V rms RF-leakage≥ 110 dB @ DC to 6 GHz Power handling100 W @ 2.0 GHz and 85°C ambient temperature Intermodulation (3rd order)≥ 166 dBc (2 x 43 dBm) @ 0.4 – 6.0 GHz							
Mechanical Data NEX10 side7/16 side Mating cycles≥ 100min. 500 Recommended torque1.5 Nm25 to 30 Nm							
Environmental Data -55 °C to +125 °C operating temperature IEC 61169-1 9.4.4 IEC 61169-1 9.3.3 and IEC 60068-2-64 IEC 61169-1 9.3.14 IEC 60529, IP68 24h / 1m compliant							
Tooling N/A							
Suitable Cables N/A							
Weight Weight81.2 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
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		Page 2 / 2