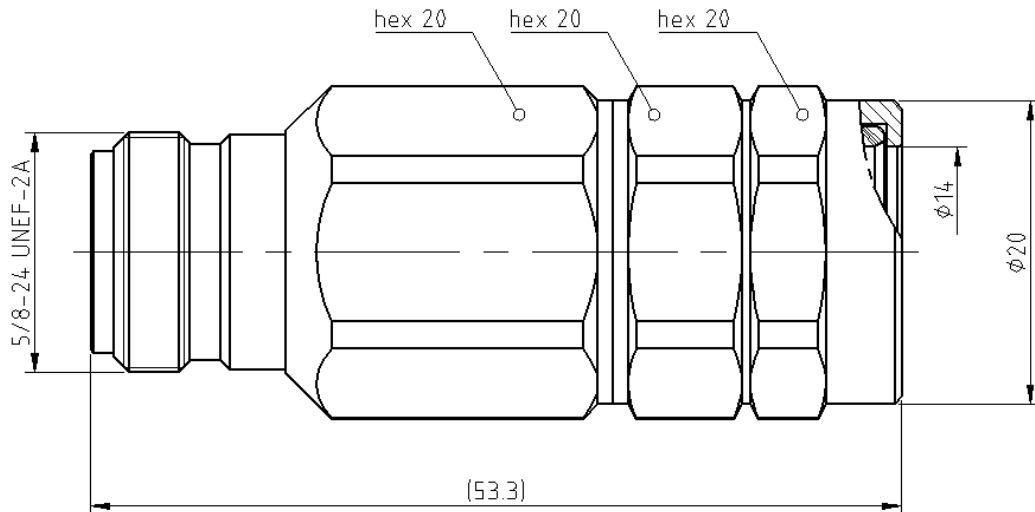


All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

Assembly instruction

MA_1C7-C08

Material and plating

Connector parts

Center contact
Outer contact
Back nut
Sealing nut
Dielectric
Gasket

Material

Spring bronze
Brass
Brass
Brass
TPX&POM
Silicone&EPDM

Plating

Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)
Nickel, 2.5-5 µm

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG
RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
N 50 Ω		STRAIGHT JACK (1/2"S)		53K1C7-C08N1			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Working voltage (at sea level) Power handling (at 20 °C, sea level, VSWR 1.0) Intermodulation 3rd order 50 Ω DC to 11 GHz ≥ 35 dB @ DC to 1 GHz ≥ 30 dB @ 1 GHz to 2.7 GHz ≥ 28 dB @ 2.7 GHz to 3.8 GHz ≥ 23 dB @ 3.8 GHz to 6 GHz ≤ 0.05 dB ≥ 5 GΩ ≤ 1 mΩ ≤ 0.25 mΩ 500 V rms 1000 W @ 1 GHz 700 W @ 2 GHz ≥ 159 dBc (2 x 43 dBm) - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Center contact captivation: axial radial Coupling test torque Recommended torque ≥ 500 ≥ 28 N ≥ 3 Ncm ≤ 1.7 Nm 0.7 Nm to 1.1 Nm							
Environmental data Temperature range Thermal shock Corrosion resistance Vibration Shock Moisture resistance Degree of protection (mated pair) 2002/95/EC (RoHS) -45 ° C to +85 ° C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 101, Condition B MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 213, Condition I MIL-STD-202, Method 106 IEC 60529, IP68 compliant							
Tooling 60W110-C08							
Suitable cables SL 012S Series (Recommend)							
Packing Standard Weight 1 pce in bag 80.3 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	
ZhaiQK		18/05/09		heanyang		29/07/19	
Rosenberger Hochfrequenztechnik GmbH & Co. KG, Germany Tel.: +49 8684 18-0 www.rosenberger.de				Rosenberger Asia Pacific Electronic Co., Ltd., China Tel.: +86 10 80481995 www.rosenbergerap.com email:info@rosenbergerap.com			
Fax: +49 8684 18-499 email: info@rosenberger.de				Fax: +86 10 80497052 email:info@rosenbergerap.com			
				Page			
				2 / 2			