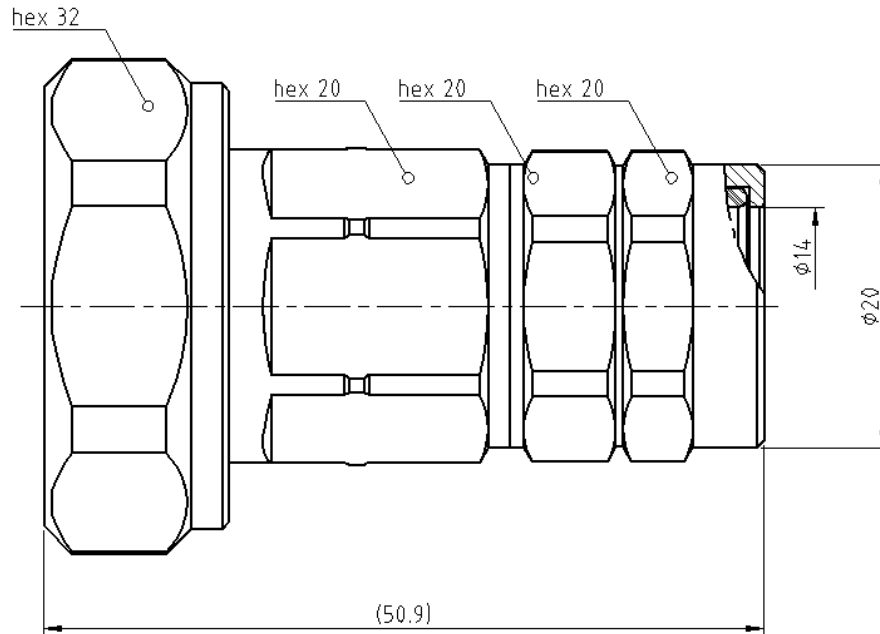




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Assembly instruction

MA_1C7-C08

Material and plating

Connector parts

Center contact (interface side)
Center contact (cable side)
Outer contact
Back nut
Dielectric
Gasket

Material

Brass
Spring bronze
Brass
Brass
TPX&POM
Silicone

Plating

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

RF_35/09.14/6.2 Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Technical Data Sheet				Rosenberger			
7-16		STRAIGHT PLUG (1/2"S)		60S1C7-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 8.3 GHz ≥ 35 dB @ DC to 1 GHz ≥ 30 dB @ 1 GHz to 2.7 GHz ≤ 0.05 dB ≥ 10 GΩ ≤ 0.4 mΩ ≤ 1.5 mΩ 500 V rms 1800 W @ 1 GHz 800 W @ 4 GHz ≥ 160 dBc (2 x 43 dBm) - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Coupling nut retention Center contact captivation: axial radial Coupling torque(recommended) Proof torque ≥ 500 ≥ 1000N ≥ 200 N ≥ 2 Ncm 25 to 30 Nm ≤ 35 Nm							
Environmental data Temperature range Rapid change of temperature Corrosion resistance Vibration Climatic category Damp heat Degree of protection (mated pair) 2002/95/EC (RoHS) -45 °C to +85 °C DIN EN 122190, Sub-clause 4.6.7 DIN EN 122190, Sub-clause 4.6.10 DIN EN 122190, Sub-clause 4.6.3 DIN EN 122190, Sub-clause 4.6.5 (45/85/21) DIN EN 122190 , Sub-clause 4.6.6 IEC 60529, IP68 compliant							
Tooling Stripping tool 60W110-C08							
Suitable cables SL 012S Series (Recommend)							
Packing Standard Weight 1 pce in bag 109.2 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	
Chen XW		12/05/09		heanyang		16/07/16	
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			