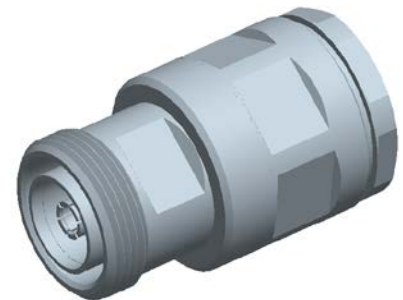
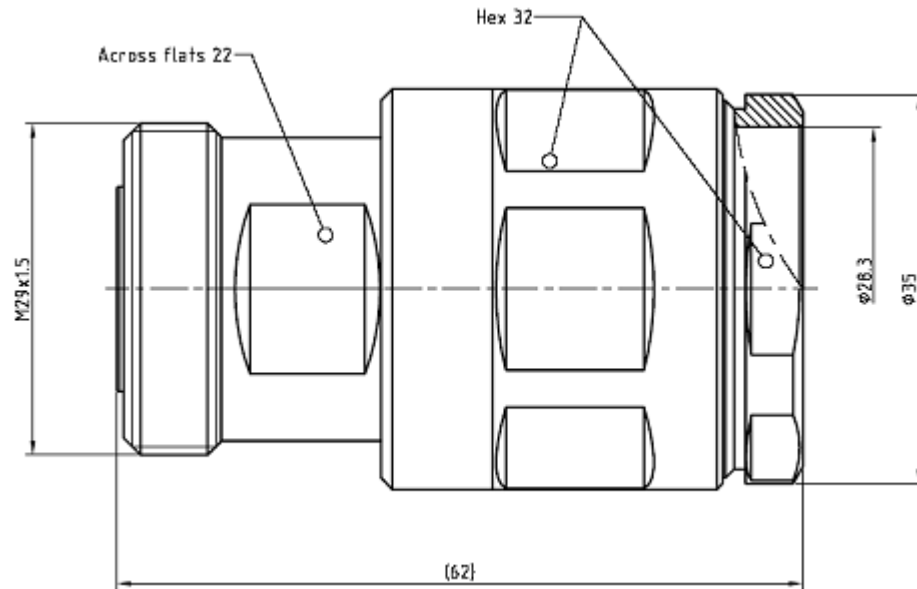




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Assembly instruction

MA_1C7-CX5

Material and plating

Connector parts

Center contact
Outer contact
Back nut
Dielectric
Gasket
Spring part

Material

Spring bronze
Brass
Brass
TPX
Silicone
Spring bronze

Plating

Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Nickel, 2.5-5 µm
Tin, 1-3 µm

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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger			
7-16		STRAIGHT JACK (7/8"R)		60K1C7-CX5N1			
Electrical data Impedance50 Ω FrequencyDC to 8.3 GHz Return loss≥ 37 dB @ DC to 1 GHz ≥ 35 dB @ 1 GHz to 2.7 GHz Insertion loss≤ 0.05 dB Insulation resistance≥ 10 GΩ Center contact resistance≤ 0.4 mΩ Outer contact resistance≤ 1.5 mΩ Working voltage (at sea level)500 V rms Power handling (at 20 °C, sea level, VSWR 1.0)1800 W @ 1 GHz 800 W @ 4 GHz Intermodulation (3rd order)≥ 160 dBc (2 x 43 dBm) - Limitations are possible due to the used cable type - Mechanical data Mating cycles≥ 500 Center contact captivation: axial ≥ 200 N radial ≥ 2 Ncm Coupling torque (recommended)25 to 30 Nm Proof torque≤ 35 Nm Environmental data Temperature range-45 °C to +85 °C Rapid change of temperatureDIN EN 122190, Sub-clause 4.6.7 Corrosion resistanceDIN EN 122190, Sub-clause 4.6.10 VibrationDIN EN 122190, Sub-clause 4.6.3 Climatic categoryDIN EN 122190, Sub-clause 4.6.5 (45/85/21) Damp heatDIN EN 122190 , Sub-clause 4.6.6 Degree of protection (mated pair)IEC 60529, IP68 2002/95/EC (RoHS)compliant Tooling Stripping tool60W107-CX5 Suitable cables SL 078R Series (Recommend) Packing Standard1 pce in box Weight151 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		26/07/16	
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