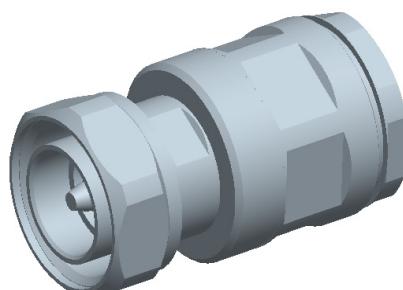
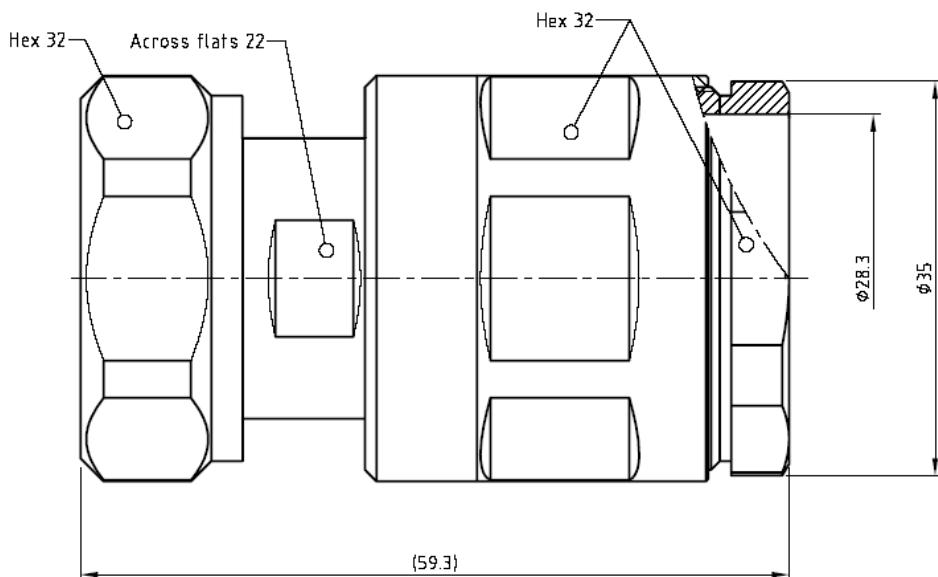


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STRAIGHT PLUG
(7/8"R)**60S1C7-CX5N1**

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

Brass
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

Technical Data Sheet**Rosenberger**

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**STRAIGHT PLUG
(7/8"R)****60S1C7-CX5N1****Electrical data**

Impedance	50 Ω
Frequency	DC 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
Test voltage (at sea level)	4000 V rms
Working voltage (at sea level)	2700 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz 800 W @ 4 GHz
Intermodulation 3 rd order	≥ 159 dBc (2 x 43 dBm)

*- Limitations are possible due to the used cable type -***Mechanical data**

Mating cycles	≥ 500
Coupling nut retention	≥ 1000N
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 temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (45/85/21)
Damp heat	DIN EN 122190 , Sub-clause 4.6.6
Degree of protection (mated pair)	IEC 60529, IP68
2002/95/EC (RoHS)	compliant

Tooling

Stripping tool 60W107-CX5

Suitable cables

SL 078R Series (Recommend)

PackingStandard 1 pce in box
Weight 162 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	Rev.	Engineering change number	Name	Date
ZhaiQK	18/05/09	Luding	27/11/12	e	12-0943	Robert	12/11/12
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 Fax: +86 10 80497052 www.rosenbergerap.com email:info@rosenbergerap.com			
				Page 2 / 2			