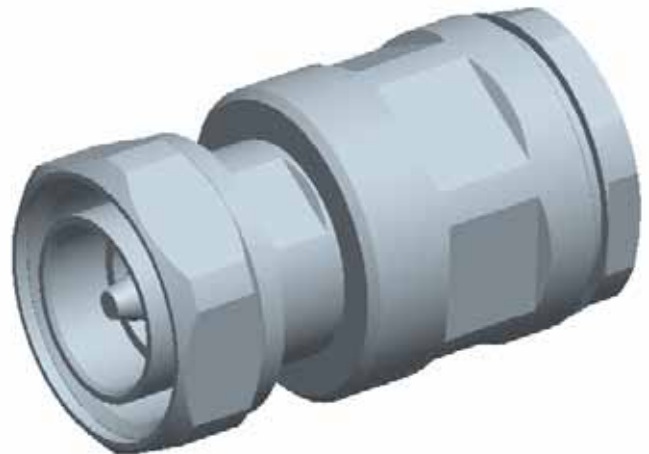
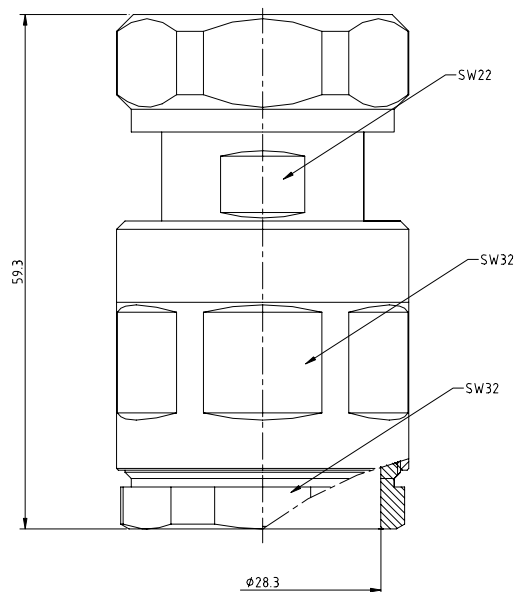


7/16

STRAIGHT PLUG
 (7/8" Normal & Low loss)
60S1C7-CX5N1

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

This product used for mobile network and telecommunication equipment

Interface

According to

IEC 60169-4, VG 95250, EN 122190, DIN 47233

Documents

Assembly instruction

In package

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket

Material

Brass
Brass
Brass
TPX
Silicone

Plating

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

Electrical data

Impedance	50 Ω
Frequency	DC-8.3GHz
Return loss	≤ -37 dB, DC to 1 GHz
	≤ -35 dB, 1 to 2.7 GHz
Insertion loss	≤ 0.05 dB
Center contact resistance	≤ 0.4 m Ω
Insulation resistance	$\geq 10^4$ M Ω
Outer contact resistance	≤ 1.5 m Ω
Test voltage	4000 V rms, 50 Hz
Working voltage	2700 V rms, 50 Hz
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz
	800 W @ 4 GHz

TECHNICAL DATA SHEET

Rosenberger
Rosenberger Site Solutions, LLC

7/16 STRAIGHT PLUG
(7/8" Normal & Low loss)

60S1C7-CX5N1

Intermodulation (3rd order) $\leq -117\text{dBm @ } 2 \times 20 \text{ W}$

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	$\geq 1000 \text{ N}$
Center contact captivation: axial	$\geq 200 \text{ N}$
radial	$\geq 2 \text{ Ncm}$
Coupling test torque	max. 35 Nm
Recommended torque	25 Nm to 30 Nm

Environmental data

Temperature range	-45°C to +85°C
Rapid change of temperature	DIN EN 122190, clause 4.6.7
Corrosion	DIN EN 122190, clause 4.6.10
Vibration	DIN EN 122190, clause 4.6.3
Damp heat	DIN EN 122190, clause 4.6.6
Climatic tests	DIN EN 122190, clause 4.6.5 (45/85/56)
Degree of protection (mated pair)	IEC 60529, IP68

Tooling

60W007-CX5 (1C7)

Suitable cables

SL 7/8"R (Normal cable recommend)
SL 7/8"L (Low loss cable recommend)

Packing

Standard	1Pcs in box
Weight	162 g/pcs

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	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
Roger			17.04.2007	b	-----	Roger	25.07.2007
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