

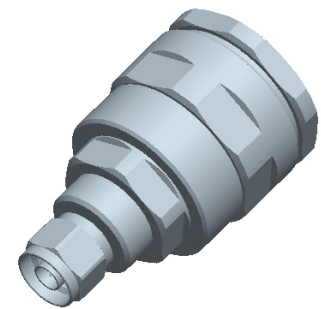
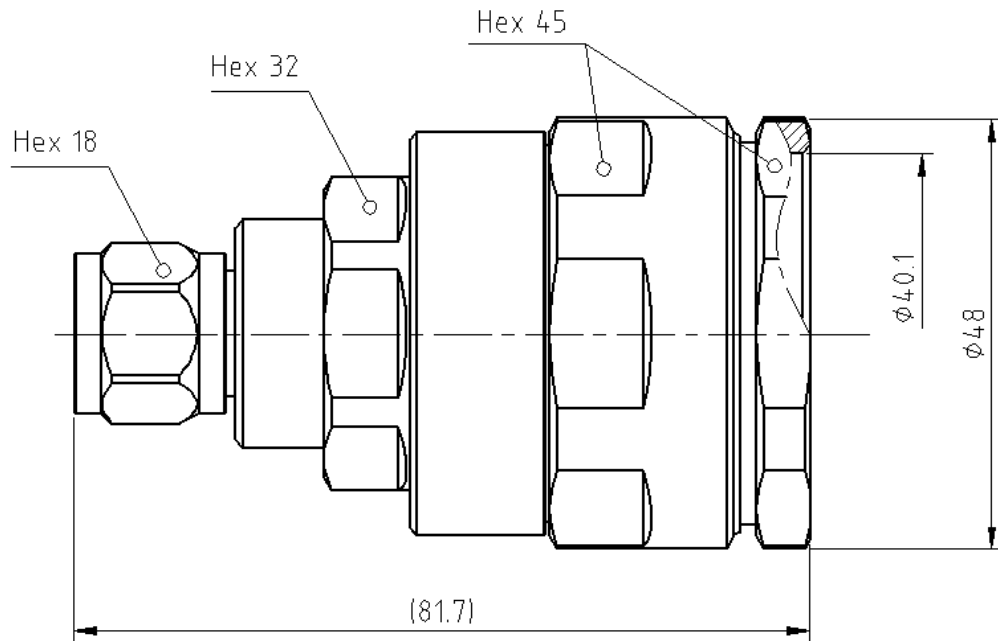
Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

N 50 Ω

STRAIGHT PLUG
(1-1/4"R)

53S1D7-C06N1



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_1D7-C06

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Gasket

Material

Brass
Brass
Brass
TPX
Silicone&EPDM

Plating

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

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Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage (at sea level) 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 ≥ 32 dB, 1 GHz to 2.7 GHz ≤ 0.05 dB ≥ 5 GΩ ≤ 1 mΩ ≤ 0.25 mΩ 2500 V rms 1400 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 Coupling nut retention Center contact captivation: axial radial Coupling test torque Recommended torque ≥ 500 ≥ 450N ≥ 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-C06							
Suitable cables SL 114R Series (Recommend)							
Packing Standard Weight 1 pce in box 267.4 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	
Robert		23/09/11		Luding		29/11/12	
Rev.		Engineering change number		Name		Date	
b		12-0943		Robert		28/11/12	
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