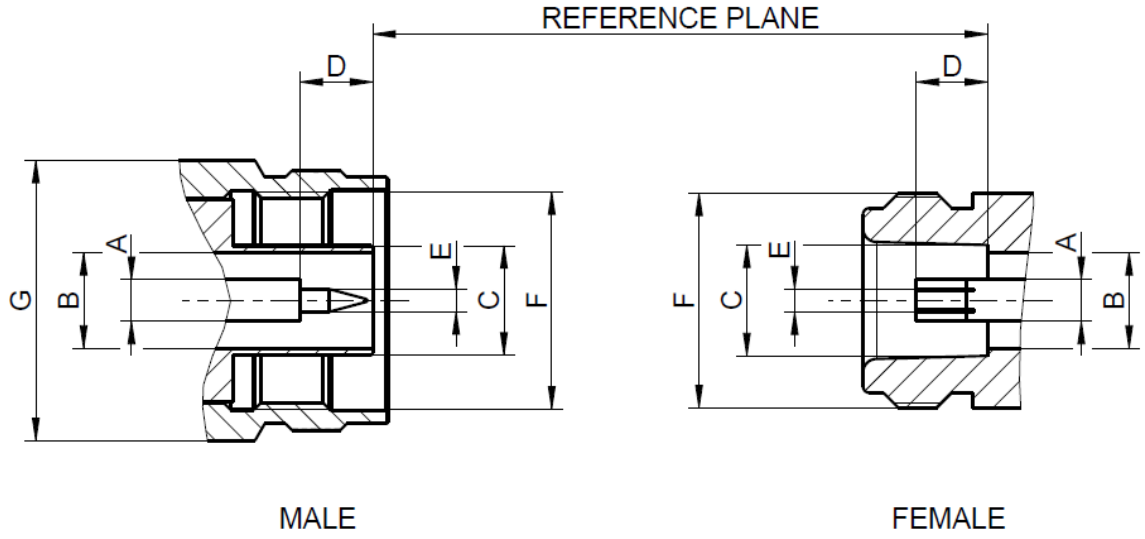
Technical Data	Rosenberger
05 RPC-N 50 Ω	**05-000-000_TD**



All dimensions are in mm

	Plug (male)		Jack (female)	
	min.	max.	min.	max.
A [1]	3.03	3.05	3.03	3.05
B [1]	6.99	7.01	6.99	7.01
C	7.98	8.02	8.05	8.10
D	5.28	5.36	5.18	5.26
E [1]	1.64	1.66	1.68 [2]	1.71 [2]
F	5/8-24UNEF-2B		5/8-24UNEF-2A	
G	hex 19		---	

[1] could be divergent for metrology components
[2] Centre contact design is optional. It should however, meet the gauging requirements and relevant reflection factor requirements.

Interface

According to IEC 61169-16

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Electrical data

Impedance	50 Ω
Frequency range	DC to 18 GHz
Return loss	see individual product data sheet
Insertion loss	see individual product data sheet
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	2500 V rms or as limited by used cable
Working voltage (at sea level)	1000 V rms or as limited by used cable
RF-leakage	≥ 90 dB up to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation axial force	≥ 28 N
Coupling test torque	1.70 Nm
Coupling torque recommended	0.70 Nm to 1.10 Nm

Environmental data

Temperature range	-40 °C to +85 °C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion resistance	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
Max. soldering temperature (PCB)	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Materials [3)]

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	gold-plated
Outer contact	Stainless steel	passivated
Dielectric	PPE	

[3)] These are standard materials from which deviations are possible. Please see individual product datasheet fore used materials

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