

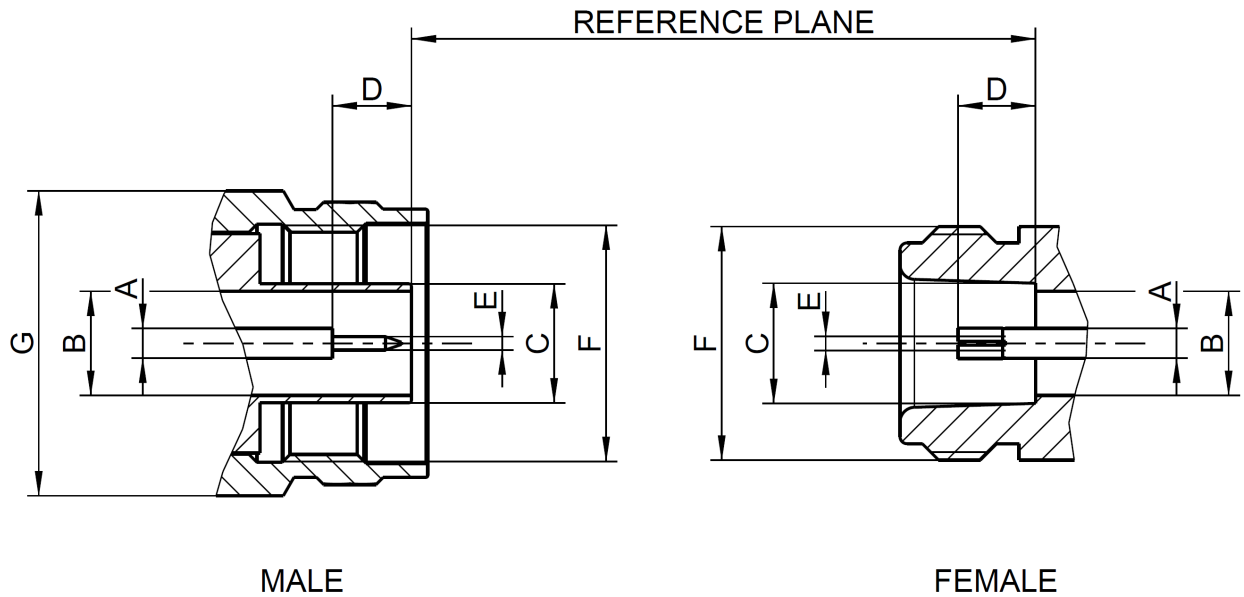
Technical Data

Rosenberger

P5

RPC-N 75 Ω

P5-000-000_TD



All dimensions are in mm

	Plug (male)		Jack (female)	
	min.	max.	min.	max.
A ¹⁾	2.00	2.02	2.00	2.02
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⁾	0.89	0.91	0.94 ²⁾	0.96 ²⁾
F	5/8-24UNEF-2B		5/8-24UNEF-2A	
G	hex 19		---	

- 1) Diameter of outer and centre contact to provide nominal (75Ω) characteristics impedance to meet electrical performance requirements.
- 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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RFB00035

Draft	Date	Approved	Date	Rev.	Engineering Change Number	Name	Date
R. Neuhauser	21.04.2021	H. Babinger	03.12.2021	100	21-e066	G. Schiele	28.10.2021
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Technical Data**Rosenberger**

P5

RPC-N 75 Ω

P5-000-000_TD**Electrical data**

Impedance	75 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	≥ 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	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

Materials³⁾**Connector parts**

	Material	Plating
Center contact	Beryllium copper	gold-plated
Outer contact	Stainless steel	passivated
Dielectric	PS	

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

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