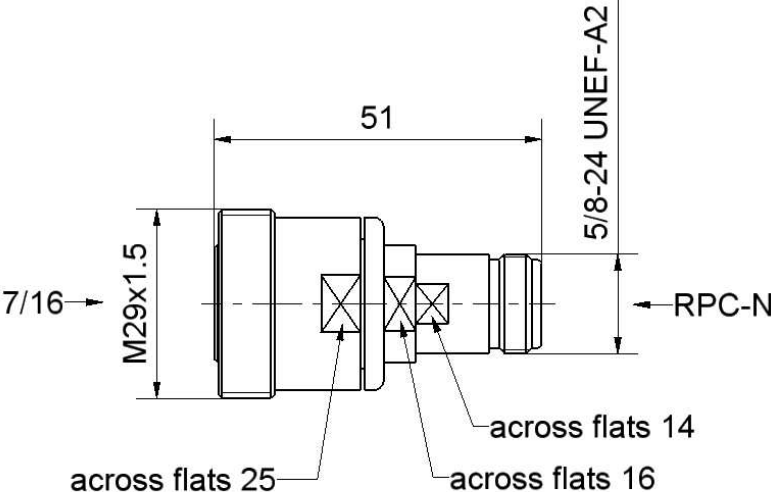


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RF_35/05.10/6.0

Technical Data Sheet		Rosenberger	
Adaptor RPC-N 50Ω Jack – 7/16 50Ω Jack		05K160-K50D3	
			
All dimensions are in mm; tolerances according to ISO 2768 m-H			
Interface		IEC 60169-4, VG 95250, EN 122190, DIN 47223 IEC 60169-16 ; CECC 22 210 ; MIL-STD 348 A/402	
Documents		N/A	
Material and plating			
Connector parts		Material	Plating
Center contact		Beryllium copper	Gold, min. 1.27 μm, over nickel
Outer contact – 7/16 side		Brass	Gold, min. 1.27 μm, over nickel
Outer contact – RPC-N side		Stainless steel	Passivated
Body		Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric		PPE	
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Technical Data Sheet

Rosenberger

Adaptor
RPC-N 50Ω Jack – 7/16 50Ω Jack

05K160-K50D3

Electrical data

Impedance	50 Ω	
Frequency	DC to 8 GHz	
Return loss	≥ 36 dB, DC to 4 GHz	
	≥ 33 dB, 4 GHz to 8 GHz	
Center contact resistance	≤ 4.0 mΩ, 7/16 side	≤ 1.0 mΩ, RPC-N side
Outer contact resistance	≤ 1.5 mΩ, 7/16 side	≤ 1.0 mΩ, RPC-N side

Mechanical data

	7/16 side	RPC-N side
Mating cycles	min. 500	min. 500
Center contact captivation	≥ 200 N	≥ 28 N
Coupling test torque	max. 35 Nm	max. 1.70 Nm
Recommended torque	25 to 30 Nm	0.70 to 1.10 Nm

Environmental data

Temperature range	-40°C to +85°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	102 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
Kerstin Herzog	20/09/05	Andreas Burkert	16/01/12	e00	12-0033	Marion Striegler	16/01/12
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