



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

Interface

According to IEC 61169-16

Documents

Application note AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor
Outer conductor
Coupling nut
Dielectric
Substrate

Material

CuBe
Stainless steel
Stainless steel
PPE; PS
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Passivated

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Technical Data Sheet				Rosenberger			
RPC-N		Matching Attenuator 50 Ω Jack – 75 Ω Plug		05K1P5-S2AS3			
Electrical data							
Frequency range		DC to 12 GHz					
Return loss		≥ 25 dB, DC to 4 GHz					
		≥ 19 dB, 4 GHz to 8 GHz					
		≥ 15 dB, 8 GHz to 12 GHz					
Attenuation		5.72 dB (non warranted)					
Power handling		≤ 1 W					
Mechanical data							
Mating cycles		≥ 500					
Maximum torque		1.70 Nm					
Recommended torque		1.10 Nm					
Gauge - plug		5.28 mm to 5.36 mm					
Gauge - jack		5.18 mm to 5.26 mm					
Environmental data							
Operating temperature range ¹		+ 20 °C to +26 °C					
Rated temperature range of use ²		0 °C to +50 °C					
Storage temperature range		- 40 °C to +85 °C					
RoHS		compliant					
¹ Temperature range over which these specification are valid.							
² This range is underneath and above the operating temperature range, within the calibration adaptor is fully functional and could be used without damage.							
Declaration of calibration options							
Factory Calibration							
Standard delivery for this device includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards.							
Accredited Calibration							
Optional this device can be delivered with an Accredited Calibration (DAkkS) having the highest confidence in the traceability. The DAkkS Calibration Certificate issued reports individual calibration results in a complex format, traceable to national / international standards.							
For further, more detailed information see application note AN001 on the Rosenberger homepage.							
Calibration interval							
Recommendation		12 months					
Packing							
Standard		1 pce in box					
Weight		63.0 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
Marcel Panicke	18.08.14	Markus Müller	10.08.16	c00	16-1267	Marion Striegler	10.08.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 2 / 2	

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