



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

Material

CuBe
Stainless steel
Stainless steel
PPE;

Plating

Gold, min. 1.27 μ m, over nickel
Passivated
Passivated

Technical Data Sheet

Rosenberger

RPC-N

Impedance Matching
Adaptor
50 Ω Jack – 75 Ω Plug

05K1P5-S21S3

Electrical data

Frequency range
Return loss

DC to 18 GHz
 ≥ 11 dB, DC to 18 GHz

Mechanical data

Mating cycles
Maximum torque
Recommended torque
Gauge - plug
Gauge - jack

≥ 500
1.70 Nm
1.10 Nm
5.28 mm to 5.36 mm
5.18 mm to 5.26 mm

Environmental data

Operating temperature range¹
Rated temperature range of use²
Storage temperature range

+20 °C to +26 °C
0 °C to +50 °C
- 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 calibration standard can be delivered with an Accredited Calibration (DAkkS) up to 12 GHz 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
Weight

1 pce in box
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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marion Striegler	12.08.21	Lars Ramtke	22.04.22	a00	21-s117	David d'Argent	22.04.22

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