



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

Interface

| | |
|-------------------------|----------------------|
| RPC-N 75 Ω according to | IEC 61169-16 |
| F 75 Ω according to | IEC 169-24 ; EIA-550 |

Documents

| | |
|------------------|------------------------------|
| Application note | AN001 "Calibration Services" |
|------------------|------------------------------|

Material and plating

Connector parts

| | | |
|------------------|-------------------------|---|
| Center conductor | Material CuBe | Plating Gold, min. 1.27 µm, over nickel |
| Outer conductor | Stainless steel | Passivated |
| Dielectric | PS | |

Technical Data Sheet

Rosenberger

Calibration Adaptor
RPC-N 75 Ω Jack – F 75 Ω Jack

P5K174-K20S3

Electrical data

Frequency DC to 4 GHz
Return loss ≥ 32 dB, DC to 3 GHz
 ≥ 28 dB, 3 GHz to 4 GHz

Mechanical data

Mating cycles ≥ 500

| | | |
|-----------------------------------|--------------------|--------------------|
| | RPC-N 75 Ω | F 75 Ω |
| Maximum torque | 1.70 Nm | 6.78 Nm |
| Recommended torque | 1.10 Nm | 2.00 Nm |
| Gauge | 5.18 mm to 5.26 mm | 0.00 mm to 0.10 mm |
| Accommodate male contact diameter | | 0.76 mm to 0.86 mm |

Environmental data

Operating temperature range¹ +20 °C to +26 °C
Rated temperature range of use² 0 °C to +50 °C
Storage temperature range -40 °C to +85 °C

RoHS compliant

¹ Temperature range over which these specifications are valid.

² This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage.

Declaration of calibration options

Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, **traceable to Rosenberger standards**, national / international standards are not available. Model based standard definitions are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.

Accredited Calibration

Not available.

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 42.4 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 |
|--|----------|--------------|----------|---|---------------------------|------------------|---------------|
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