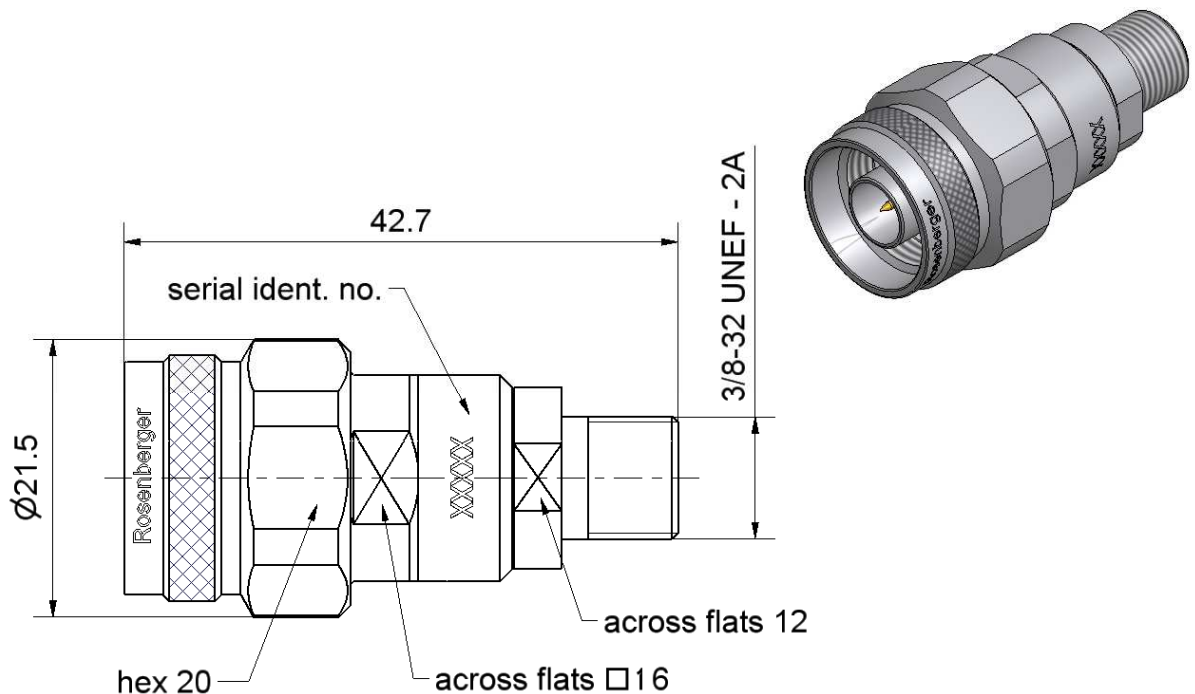




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-N 75 Ω according to
F 75 Ω according to

IEC 61169-16
IEC 169-24 ; EIA-550

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor
Outer conductor
Coupling nut
Dielectric

Material

CuBe
Stainless steel
Stainless steel
PS

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Passivated

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RF_35/09.14/6.2

Technical Data Sheet		Rosenberger					
Calibration Adaptor RPC-N 75 Ω Plug – F 75 Ω Jack		P5S174-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	5.28 mm to 5.36 mm	0.00 mm to 0.10 mm					
Accommodate male contact diameter		0.76 mm to 0.86 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 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	49.5 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	04.05.15	Martin Moder	08.05.15	f00	14-1492	Herbert Babinger	08.05.15
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