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RF_35/09.14/6.2

Technical Data Sheet		Rosenberger				
RPC-NAttenuator50 ΩPlug/Jack		05AS122-K03S3				
Material and plating Connector parts Center conductor - plug Center conductor - jack Outer conductor Coupling nut Dielectric Substrate	Material Brass CuBe Stainless Stainless PPE Al ₂ O ₃					
Electrical data Frequency range DC Resistance Power handling	DC to 18 50 Ω ≤ 0.5 W	GHz				
Electrical data (typical) Return loss Attenuation	≥ 26 dB, ≥ 23 dB, 3 dB ± 0.3 3 dB ± 0.3	\geq 32 dB, DC to 4 GHz \geq 26 dB, 4 GHz to 12.4 GHz \geq 23 dB, 12.4 GHz to 18 GHz 3 dB \pm 0.3 dB, DC to 8 GHz 3 dB \pm 0.5 dB, 8 GHz to 12.4 GHz 3 dB \pm 0.8 dB, 12.4 GHz to 18 GHz				
Mechanical data Mating cycles Maximum torque Recommended torque Gauge - plug Gauge - jack	••	1.70 Nm				
(calibration results) for transmission	lectrical verification and reflection are on values can be c	standard. Reference measurement values included. Connected to a calibrated VNA the ompared to the reference measurement valu				
Environmental data Operating temperature range ¹ Rated temperature range of use ² Storage temperature range	0 °C to	+ 20 °C to +26 °C 0 °C to +50 °C - 40 °C to +85 °C				
RoHS	compliant	compliant				
 ¹ Temperature range over which the reference ² This range is underneath and above the operation of and could be used without damage. 	nce measurement value. perating temperature ra	s are applicable. nge, within the attenuator is fully functional				
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RPC-N 50 Ω

Attenuator Plug/Jack

Rosenberger

05AS122-K03S3

Declaration of calibration options

Factory Calibration

Standard delivery for this verification standard includes a Factory Calibration. The Calibration Certificate issued reports individual transmission and reflection calibration results traceable to national / international standards. A S2p data file with the reference measurement values and the measurement uncertainties in electronic format are included.

Accredited Calibration

Optional this verification standard can be delivered with an Accredited Calibration (DAkkS) having the highest confidence in the traceability. The DAkkS Calibration Certificate issued reports individual transmission and reflection calibration results traceable to national / international standards. A S2p data file with the reference measurement values and the measurement uncertainties in electronic format are included. The measurement uncertainties are smaller than in a Factory Calibration.

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 67 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
Marion Striegler	26.01.18	Lars Ramtke	28.03.18	3.18		18-0190	Marion Striegler	28.03.18
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