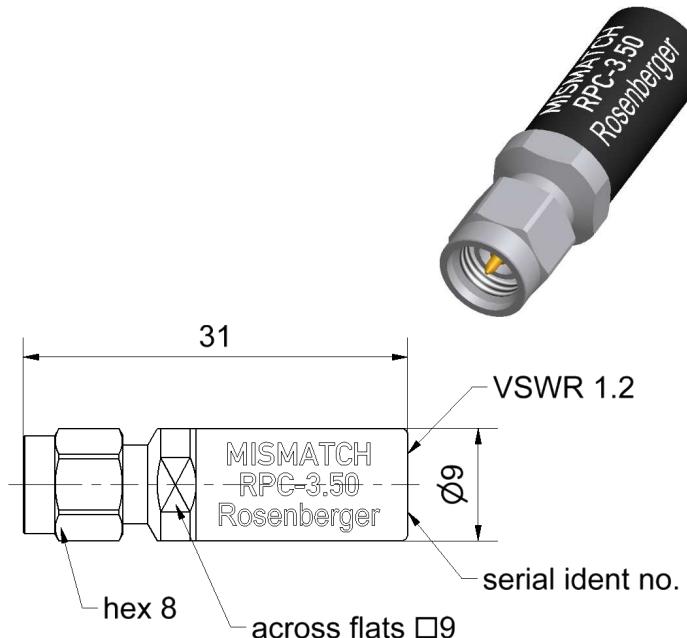


RPC-3.50

Mismatch
Plug

03S150-060S3



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

Interface

According to

IEC 60169-23

Mechanically compatible with

RPC-2.92 and SMA

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
PEEK
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Passivated

Technical Data Sheet		Rosenberger					
RPC-3.50	Mismatch Plug	03S150-060S3					
Electrical data							
Frequency range		DC to 26.5 GHz					
VSWR		1.2 \pm 0.03, DC to 12 GHz					
DC Resistance		1.2 \pm 0.05, 12 GHz to 26.5 GHz					
Power handling		60 Ω					
Power handling		\leq 0.5 W					
Mechanical data							
Mating cycles		\geq 500					
Maximum torque		1.70 Nm					
Recommended torque		0.90 Nm					
Gauge		0.00 mm to 0.04 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 mismatch 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 national / international standards.							
Accredited Calibration							
Optional this calibration standard 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. Calibration results are reported in a dense data set file. The 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		1 pce in box					
Weight		8.8 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
Herbert Babinger	17.10.14	Martin Moder	10.08.15	f00	15-0003	Herbert Babinger	10.08.15
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