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RF_35/09.14/6.2

Technica	al Data Sheet		Rosenberge				
RPC-2.92	Airline Plug / Jack		02S101-K018				
Electrical d		≤ 0.15 dB	at 40 GHz				
Mechanical data Mating cycles Maximum torque Recommended torque Airline dimensions at 23 °C: - Diameter outer conductor - Diameter inner conductor - Length outer conductor - Length inner conductor - Length difference (outer conductor – inner conductor)		≥ 500 1.70 Nm 0.90 Nm 2.9235 mm ± 0.005 mm 1.270 mm ± 0.005 mm 18.30 mm + 0.02 mm 18.30 mm - 0.02 mm ≤ 0.04 mm					
	data (non warranted) aracteristic impedance ¹	≥ 35 dB, 4	40 Ω 0.3 GHz to 4 GHz 4 GHz to 18 GHz 18 GHz to 40 GHz				
For proper w of this calibra	ation standard. Depending on	the VNA typ	ed needs a model describing the electrical be e different models, units and terms are used used on typical geometry and plating.				
- Offset Delay - Length (elec - Offset Loss	ctrical) / Offset Length	50 Ω 61.095 ps 18.316 m 2.40 GΩ/s	m s				
Storage temp RoHS	mperature range ³ perature range	0.0127 df +20 °C to 0 °C to +{ compliant	+26 °C 50 °C				
	e is a recommendation. However, the erature change from 23 °C results in o						

Technical Data Sheet

RPC-2.92 A

Airline Plug / Jack

Rosenberger

02S101-K018

Declaration of calibration options

Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual mechanical calibration results, traceable to national / international standards. 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 Weight Center conductor 1 pce in box 4.4 g/pce loose in an acrylic glass tube

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warra	nty on
our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improv	/e 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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