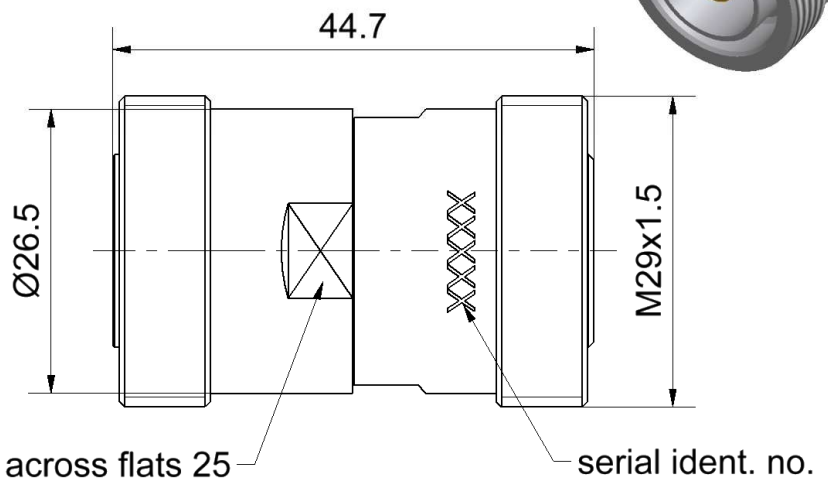
Technical Data Sheet		Rosenberger
7-16	Calibration Adaptor Jack/Jack	**60K121-K20S3**



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

Interface

According to	IEC 61169-4, EN 122190, DIN 47223

Documents

Application note	AN001 “Calibration Services”

Material and plating

Connector parts	**Material**	**Plating**
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Stainless steel	Passivated
Dielectric	PPE	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Electrical data

Frequency range	DC to 8 GHz
Return loss	≥ 38 dB, DC to 4 GHz ≥ 34 dB, 4 GHz to 8 GHz

Mechanical data

Mating cycles	≥ 500
Maximum torque	35 Nm
Recommended torque	2.26 Nm
Gauge	1.78 mm to 1.82 mm

General standard definitions

For proper operation the vector network analyzer (VNA) needs a model describing the electrical behaviour of this calibration standard. The different models, units, and terms used will depend on the VNA type and they will have to be entered into the VNA. All values are based on typical geometry and plating.

Offset Z_o / Impedance / Z_o	50 Ω
Offset Delay	156.775 ps
Length (electrical) / Offset Length	47.00 mm
Offset Loss	0.50 GΩ/s
Loss	0.0068 dB/$\sqrt{\text{GHz}}$

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 calibration adaptor is fully functional and could be used without damage.*

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de