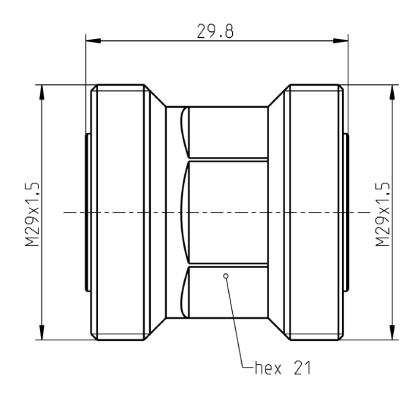
Technical Data Sheet		Rosenberger		
7-16	Adaptor	60K101-KIMN1		



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

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

Documents N/A

Material and platingConnector partsMaterialPlatingCenter contactCuBe or equiv.Silver, 3-6 μm

Outer contact Brass Flash white bronze over silver(e.g. Optargen®)
Dielectric PTFE

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

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

1/2

Rosenberger **Technical Data Sheet**

Adaptor 7-16 Jack - Jack

60K101-KIMN1

Electrical data

Impedance 50 Ω

Frequency DC to 7.5 GHz Return loss ≥ 40 dB @ DC to 3GHz

> ≥ 35 dB @ 3 GHz to 4.5 GHz ≥ 30 dB @ 4.5 GHz to 8.3 GHz

 $\leq 0.05 \text{ x } \sqrt{\text{f [GHz] dB}}$ Insertion loss

 \geq 10 G Ω Insulation resistance Center contact resistance \leq 0.4 m Ω Outer contact resistance \leq 1.5 m Ω Working voltage (at sea level) 500 V rms

Power handling (at 20 °C, sea level, VSWR 1.0) 1800 W @ 1 GHz 800 W @ 4 GHz

≥ 128 dB @ DC to 1 GHz RF-leakage Intermodulation (3rd order) ≤ -128 dBm @ 2 x 20 W

Mechanical data

Mating cycles ≥ 500 Center contact captivation: axial \geq 200 N radial ≥ 2 Ncm

Coupling torque (recommended) 25 to 30 Nm Proof torque ≤ 35 Nm

Environmental data

Temperature range -55 °C to +155 °C Rapid change of temperature DIN EN 122190, Sub-clause 4.6.7 Corrosion resistance DIN EN 122190, Sub-clause 4.6.10

Vibration DIN EN 122190, Sub-clause 4.6.3

DIN EN 122190, Sub-clause 4.6.5 (55/155/56) Climatic category

N/A

DIN EN 122190. Sub-clause 4.6.6 Damp heat IEC 60529. IP68 2.5 bar 1h Degree of protection (mated pair)

RoHS

compliant

Tooling

N/A

Suitable cables

Weight

Weight 60 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	F	Rev.	Engineering change number	Name	Date
Benjamin Kaindl	15.03.12	Chr. Janßen	09.02.21	C	d00	20-1927	S. Huber-Siegl	09.02.21

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2/2

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