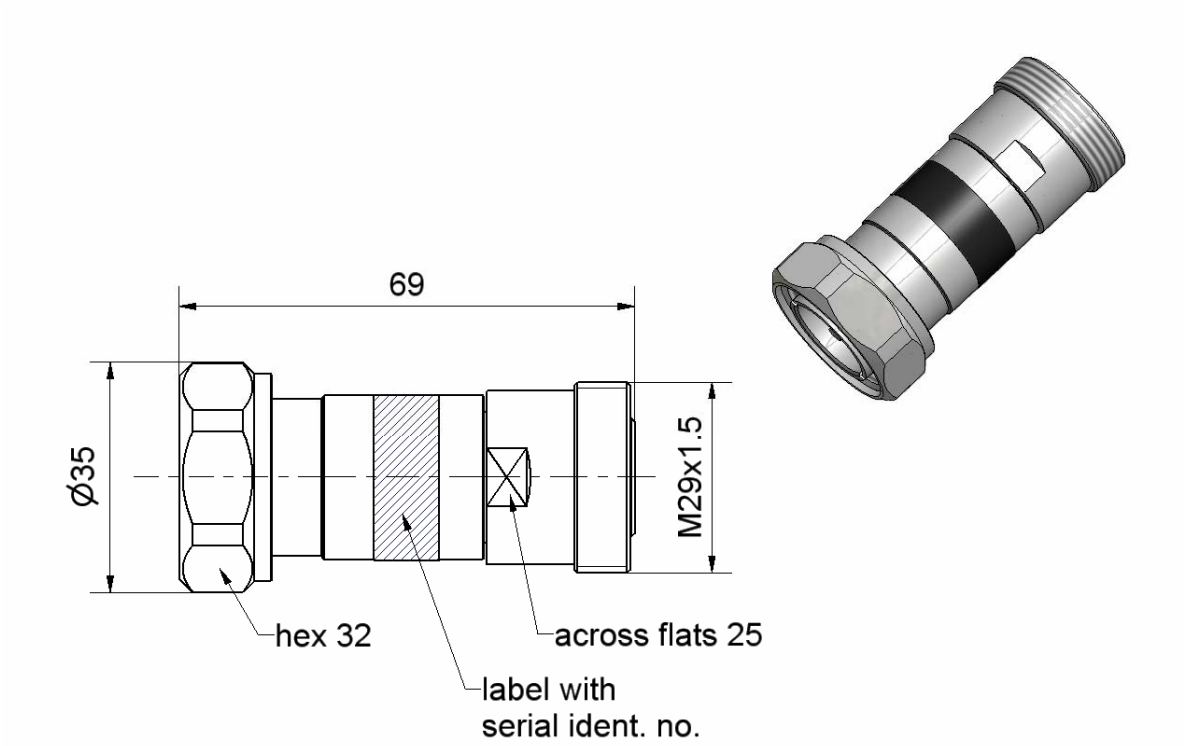
TECHNICAL DATA SHEET	Rosenberger®
7/16 50Ω ATTENUATOR PLUG/JACK	**60AS105-K40N1**



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

Interface

According to	IEC 60169-4, VG 95250, EN 122190, DIN 47223

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact - plug	Brass	Silver, 3-6 µm
Center contact - jack	Beryllium copper	Silver, 3-6 µm
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Coupling nut	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PPE	
Substrate	ALN	

RF_35/08.06/4.0

Electrical data

Impedance	50 Ω
Frequency	DC to 8 GHz
Return loss	≥ 30.7 dB, DC to 1 GHz
	≥ 26.4 dB, 1 GHz to 2 GHz
	≥ 20.0 dB, 2 GHz to 8 GHz
Attenuation	40 dB
Tolerances	≤ ± 0.4 dB, DC to 2 GHz
	≤ ± 0.5 dB, 2 GHz to 4 GHz
	≤ ± 1.2 dB, 4 GHz to 8 GHz
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 1.5 mΩ
Power handling	5 W at 25°C
	derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation	≥ 200 N
Coupling test torque	max. 35 Nm
Recommended torque	25 Nm to 30 Nm

Environmental data

Temperature range	-65°C to +85°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	222 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.

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