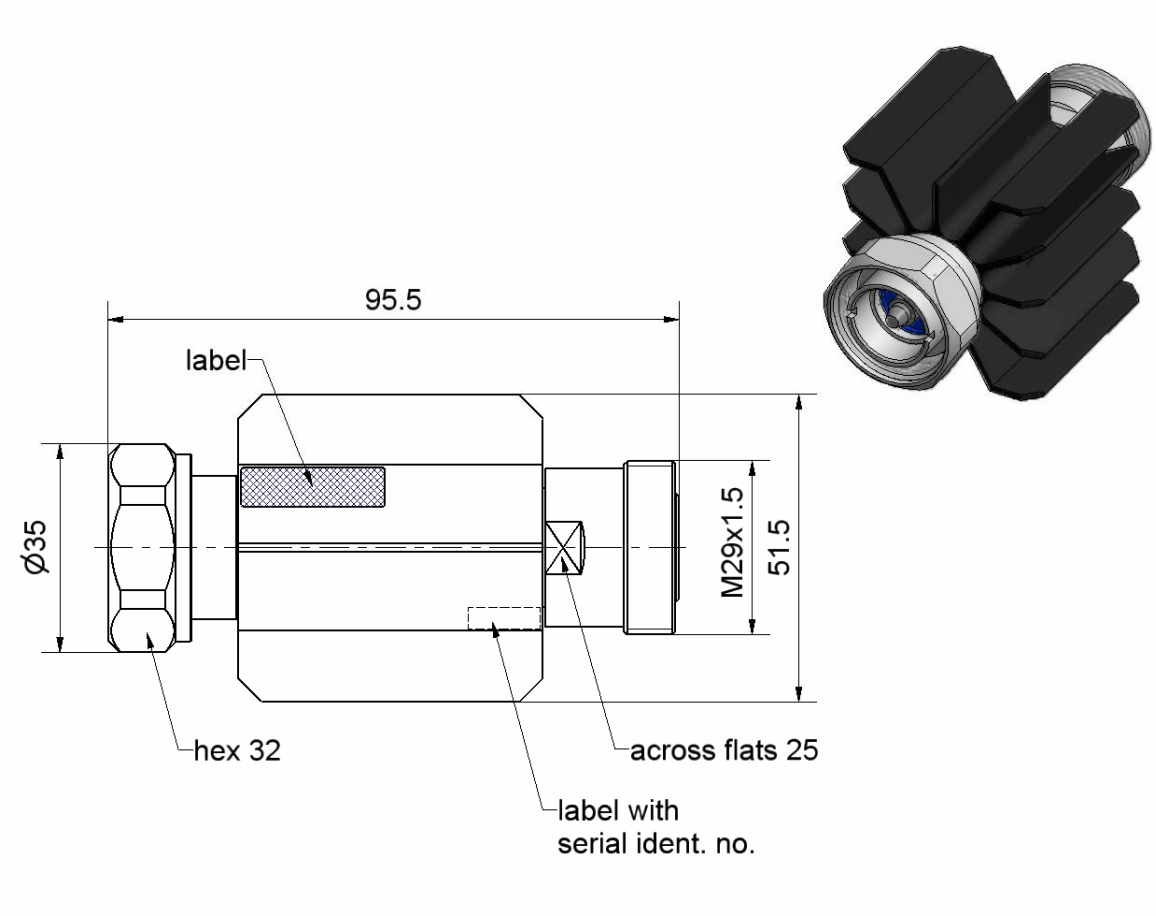
| TECHNICAL DATA SHEET | Rosenberger® |
|---|---|
| 7/16<br>50Ω ATTENUATOR PLUG/JACK | **60AS120-K10N1** |




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®) |
| Heatsink | Al | black anodised |
| Coupling nut | Brass | Flash white bronze over silver(e.g. Optargen®) |
| Dielectric | PPE | |
| Substrate | ALN | |



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

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

## 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 | 10 dB |
| Tolerances | ≤ ± 0.3 dB, DC to 2 GHz |
| | ≤ ± 0.4 dB, 2 GHz to 4 GHz |
| | ≤ ± 0.8 dB, 4 GHz to 8 GHz |
| Center contact resistance | ≤ 4.0 mΩ |
| Outer contact resistance | ≤ 1.5 mΩ |
| Power handling | 20 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 | 270 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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