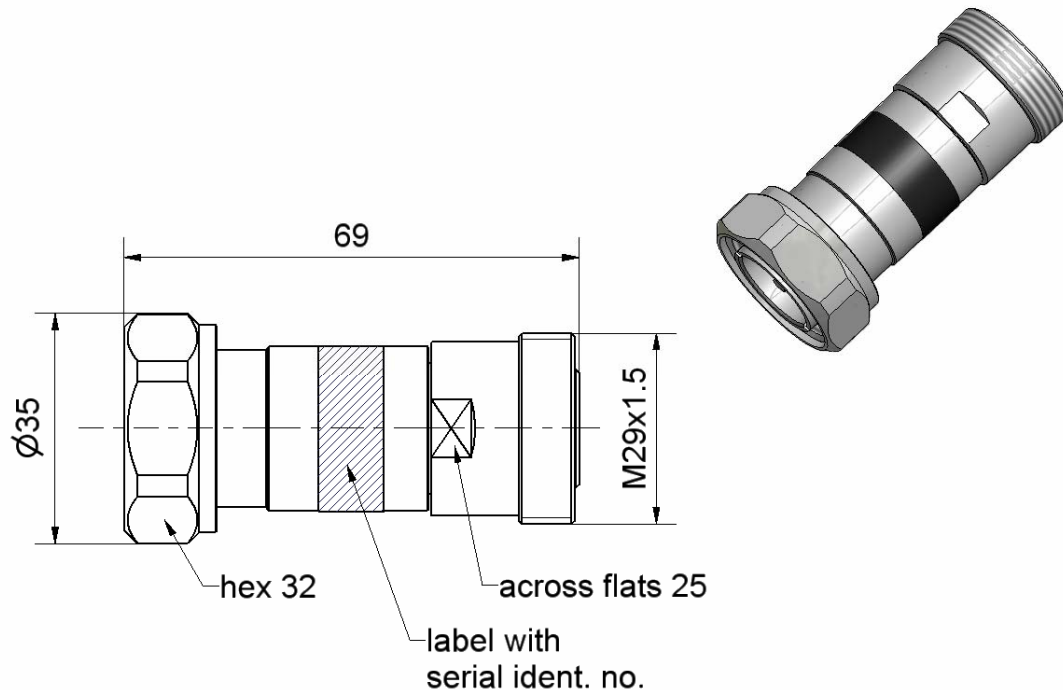


7/16  
50Ω

ATTENUATOR PLUG/JACK

**60AS105-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

Center contact - plug  
Center contact - jack  
Outer contact  
Body  
Coupling nut  
Dielectric  
Substrate

##### Material

Brass  
Beryllium copper  
Brass  
Brass  
Brass  
PPE  
ALN

##### Plating

Silver, 3-6 µm  
Silver, 3-6 µm  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)

# TECHNICAL DATA SHEET

**Rosenberger®**

7/16  
50Ω

ATTENUATOR PLUG/JACK

**60AS105-K10N1**

## Electrical data

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Impedance                 | 50 Ω                                                                                |
| Frequency                 | DC to 8 GHz                                                                         |
| Return loss               | ≥ 30.7 dB, DC to 1 GHz<br>≥ 26.4 dB, 1 GHz to 2 GHz<br>≥ 20.0 dB, 2 GHz to 8 GHz    |
| Attenuation               | 10 dB                                                                               |
| Tolerances                | ≤ ± 0.3 dB, DC to 2 GHz<br>≤ ± 0.4 dB, 2 GHz to 4 GHz<br>≤ ± 0.8 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<br>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.

| Draft          | Date     | Approved   | Date     | Rev. | Engineering change number | Name           | Date     |
|----------------|----------|------------|----------|------|---------------------------|----------------|----------|
| Kerstin Herzog | 23/05/05 | Frank Weiß | 10/06/08 | d00  | 08-0348                   | Kerstin Hobrak | 11/06/08 |

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.de](http://www.rosenberger.de)

Tel.: +49 8684 18-0  
Fax: +49 8684 18-499  
email: [info@rosenberger.de](mailto:info@rosenberger.de)

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