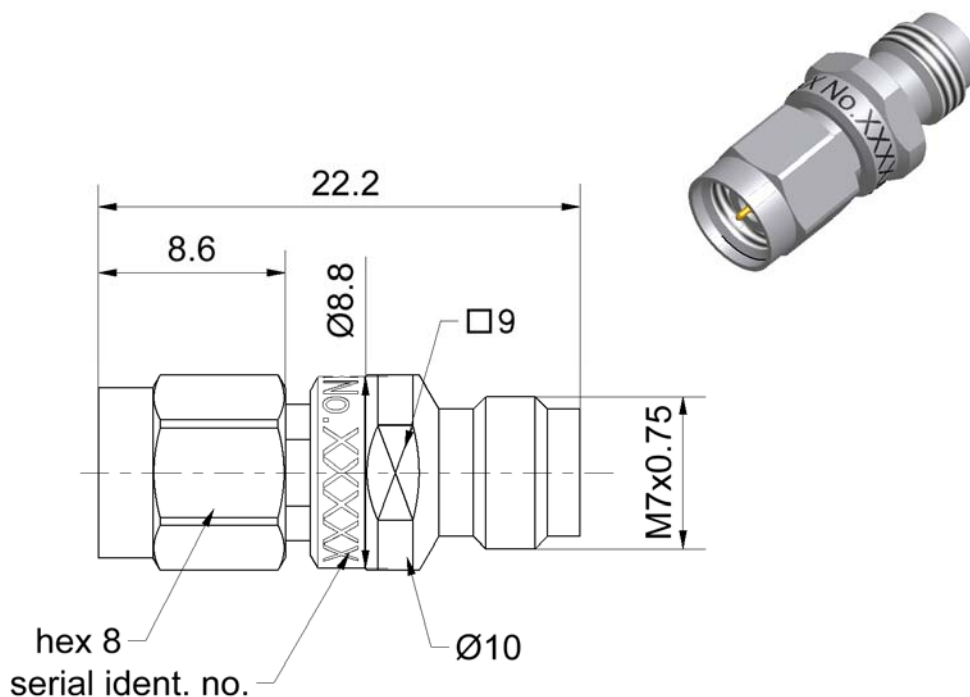


RPC-2.40

Attenuator  
RPC-2.40 Plug - RPC-2.40 Jack

09AS102-K06S3



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

## Interface

According to  
Mechanically compatible with

IEC 61169-40  
RPC-1.85

## Documents

N/A

## Material and plating

### Connector parts

Center conductor - plug  
Center conductor - jack  
Outer conductor  
Coupling nut  
Dielectric  
Substrate

### Material

Beryllium copper  
Beryllium copper  
Stainless steel  
Stainless steel  
PS  
Al<sub>2</sub>O<sub>3</sub>

### Plating

Gold, min. 1.27 µm, over nickel  
Gold, min. 1.27 µm, over nickel  
Passivated  
Passivated

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RF\_35/05.10/6.0

|                                                                                                                                                                                                                                                                                                                                              |          |                                             |          |                                                                                                                       |                           |                |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|-------------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                         |          |                                             |          | Rosenberger                                                                                                           |                           |                |                   |
| RPC-2.40                                                                                                                                                                                                                                                                                                                                     |          | Attenuator<br>RPC-2.40 Plug - RPC-2.40 Jack |          | 09AS102-K06S3                                                                                                         |                           |                |                   |
| <b>Electrical data</b>                                                                                                                                                                                                                                                                                                                       |          |                                             |          |                                                                                                                       |                           |                |                   |
| Impedance                                                                                                                                                                                                                                                                                                                                    |          | 50 Ω                                        |          |                                                                                                                       |                           |                |                   |
| Frequency range                                                                                                                                                                                                                                                                                                                              |          | DC to 50 GHz                                |          |                                                                                                                       |                           |                |                   |
| Return loss                                                                                                                                                                                                                                                                                                                                  |          | ≥ 32 dB, DC to 4 GHz                        |          |                                                                                                                       |                           |                |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | ≥ 21 dB, 4 GHz to 18 GHz                    |          |                                                                                                                       |                           |                |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | ≥ 18 dB, 18 GHz to 37 GHz                   |          |                                                                                                                       |                           |                |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | ≥ 14 dB, 37 GHz to 50 GHz                   |          |                                                                                                                       |                           |                |                   |
| Attenuation                                                                                                                                                                                                                                                                                                                                  |          | 6 dB ± 0.5 dB, DC to 26.5 GHz               |          |                                                                                                                       |                           |                |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | 6 dB ± 1.5 dB, 26.5 GHz to 50 GHz           |          |                                                                                                                       |                           |                |                   |
| Power handling                                                                                                                                                                                                                                                                                                                               |          | ≤ 0.5 W                                     |          |                                                                                                                       |                           |                |                   |
| <b>Mechanical data</b>                                                                                                                                                                                                                                                                                                                       |          |                                             |          |                                                                                                                       |                           |                |                   |
| Mating cycles                                                                                                                                                                                                                                                                                                                                |          | ≥ 500                                       |          |                                                                                                                       |                           |                |                   |
| Maximum torque                                                                                                                                                                                                                                                                                                                               |          | 1.65 Nm                                     |          |                                                                                                                       |                           |                |                   |
| Recommended torque                                                                                                                                                                                                                                                                                                                           |          | 0.90 Nm                                     |          |                                                                                                                       |                           |                |                   |
| Gauge                                                                                                                                                                                                                                                                                                                                        |          | 0.00 mm to 0.03 mm                          |          |                                                                                                                       |                           |                |                   |
| <b>Environmental data</b>                                                                                                                                                                                                                                                                                                                    |          |                                             |          |                                                                                                                       |                           |                |                   |
| Operating temperature range <sup>1</sup>                                                                                                                                                                                                                                                                                                     |          | +20 °C to +26 °C                            |          |                                                                                                                       |                           |                |                   |
| Storage temperature range                                                                                                                                                                                                                                                                                                                    |          | 0 °C to +50 °C                              |          |                                                                                                                       |                           |                |                   |
| RoHS                                                                                                                                                                                                                                                                                                                                         |          | compliant                                   |          |                                                                                                                       |                           |                |                   |
| <sup>1</sup> Temperature range over which these specifications are valid.                                                                                                                                                                                                                                                                    |          |                                             |          |                                                                                                                       |                           |                |                   |
| <b>Packing</b>                                                                                                                                                                                                                                                                                                                               |          |                                             |          |                                                                                                                       |                           |                |                   |
| Standard                                                                                                                                                                                                                                                                                                                                     |          | 1 pce in box                                |          |                                                                                                                       |                           |                |                   |
| Weight                                                                                                                                                                                                                                                                                                                                       |          | 6.5 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              |
| Marion Striegler                                                                                                                                                                                                                                                                                                                             | 11/05/12 | Lars Ramtke                                 | 13/08/14 | a00                                                                                                                   | 13-s383                   | Marcel Panicke | 13/08/14          |
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