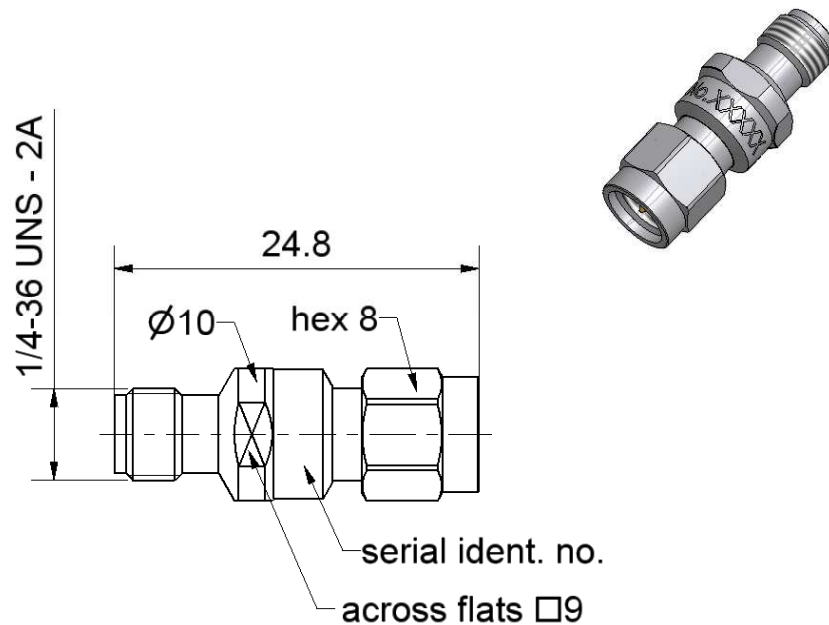




All dimensions are in mm; tolerances according to ISO 2768 m-H

### Interface

According to  
Mechanically compatible with

IEC 61169-35  
RPC-3.50 and SMA

### Documents

N/A

### Material and plating

#### Connector parts

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

#### Material

CuBe  
CuBe  
Stainless steel  
Stainless steel  
PEEK  
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\_35/09.14/6.2

|                                                                                                                                                                                                                                                                                                                                                         |  |                         |  |                             |  |                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|-----------------------------|--|-----------------------------------|--|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                    |  |                         |  | Rosenberger                 |  |                                   |  |
| RPC-2.92                                                                                                                                                                                                                                                                                                                                                |  | Attenuator<br>Plug/Jack |  | 02AS102-K20S3               |  |                                   |  |
| <div>Electrical data</div> <div>Impedance50 Ω</div> <div>Frequency rangeDC to 40 GHz</div> <div>Return loss≥ 26.4 dB, DC to 4 GHz</div> <div>≥ 19.1 dB, 4 GHz to 40 GHz</div> <div>Attenuation20 dB, ± 0.3 dB, DC to 4 GHz</div> <div>20 dB ± 0.5 dB, 4 GHz to 40 GHz</div> <div>Power handling0.5 W at 25 °C</div>                                     |  |                         |  |                             |  |                                   |  |
| <div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Maximum torque1.70 Nm</div> <div>Recommended torque0.90 Nm</div> <div>Gauge0.00 mm to 0.08 mm</div>                                                                                                                                                                                       |  |                         |  |                             |  |                                   |  |
| <div>Environmental data</div> <div>Operating temperature range<sup>1</sup>0 °C to +50 °C</div> <div>Storage temperature range-40 °C to +85 °C</div> <div>RoHScompliant</div>                                                                                                                                                                            |  |                         |  |                             |  |                                   |  |
| <div><sup>1</sup> Temperature range over which these specifications are valid.</div>                                                                                                                                                                                                                                                                    |  |                         |  |                             |  |                                   |  |
| <div>Packing</div> <div>Standard1 pce in box</div> <div>Weight7.5 g/pce</div>                                                                                                                                                                                                                                                                           |  |                         |  |                             |  |                                   |  |
| <div>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.</div> |  |                         |  |                             |  |                                   |  |
| Draft                                                                                                                                                                                                                                                                                                                                                   |  | Date                    |  | Approved                    |  | Date                              |  |
| Kerstin Herzog                                                                                                                                                                                                                                                                                                                                          |  | 08.03.07                |  | Markus Müller               |  | 17.11.15                          |  |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br>www.rosenberger.de                                                                                                                                                                                                                                          |  |                         |  | Rev. e00                    |  | Engineering change number 15-1421 |  |
|                                                                                                                                                                                                                                                                                                                                                         |  |                         |  | Name Marion Striegler       |  | Date 17.11.15                     |  |
|                                                                                                                                                                                                                                                                                                                                                         |  |                         |  | Tel. : +49 8684 18-0        |  | Page 2 / 2                        |  |
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