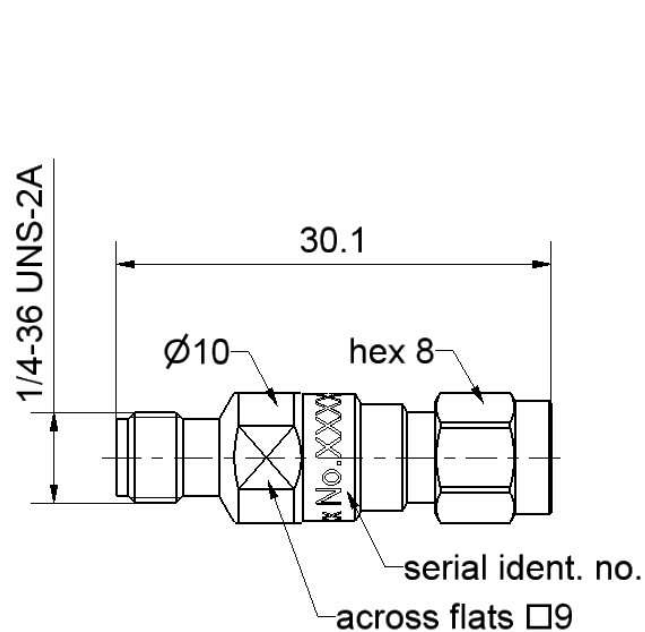




All dimensions are in mm; tolerances according to ISO 2768 m-H

## Interface

According to  
Mechanically compatible with

IEC 60169-23  
RPC-2.92 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-3.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          | Attenuator<br>Plug/Jack |          | 03AS102-K03S3 |                                                                                              |                  |               |
| <div>Electrical data</div> <div>Impedance50 Ω</div> <div>Frequency rangeDC to 26.5 GHz</div> <div>Return loss≥ 26.4 dB, DC to 4 GHz</div> <div>≥ 23.1 dB, 4 GHz to 12.4 GHz</div> <div>≥ 19.1 dB, 12.4 GHz to 26.5 GHz</div> <div>Attenuation3 dB ± 0.5 dB, DC to 26.5 GHz</div> <div>Power handling1 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>Weight8.9 g/pce</div> |          |                         |          |               |                                                                                              |                  |               |
| <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                         |          |               |                                                                                              |                  |               |
| Draft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Date     | Approved                | Date     | Rev.          | Engineering change number                                                                    | Name             | Date          |
| Kerstin Herzog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 04.10.05 | Marcel Panicke          | 13.02.17 | g00           | 17-0254                                                                                      | Marion Striegler | 13.02.17      |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br><a href="http://www.rosenberger.de">www.rosenberger.de</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                         |          |               | Tel. : +49 8684 18-0<br>Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |                  | Page<br>2 / 2 |