

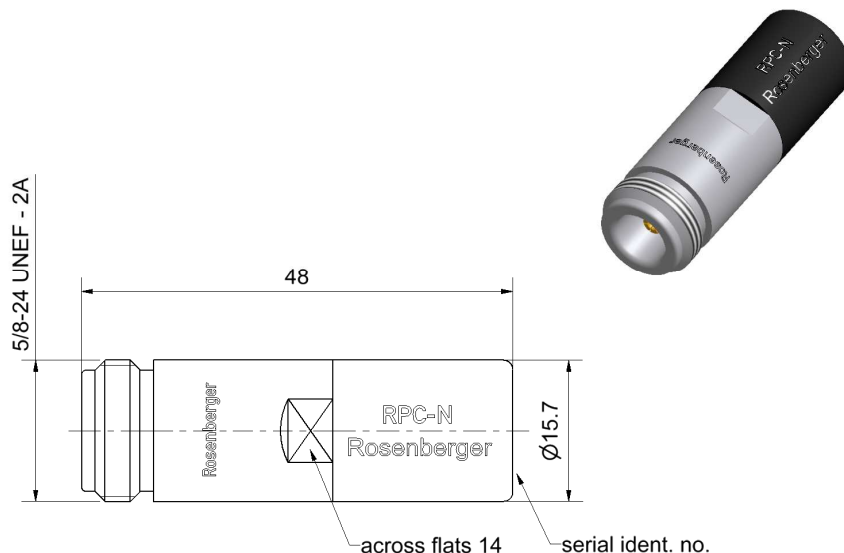
## Technical Data Sheet

# Rosenberger

RPC-N  
50  $\Omega$

Termination  
Jack

05K150-010S3



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

### Interface

According to IEC 61169-16

### Documents

N/A

### Material and plating

#### Connector parts

Center conductor  
Outer conductor  
Dielectric  
Substrate

#### Material

CuBe  
Stainless steel  
PPE  
 $\text{Al}_2\text{O}_3$

#### Plating

Gold, min. 1.27  $\mu\text{m}$ , over nickel  
Passivated

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RF\_35/05.10/6.0

| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                     |          | Rosenberger                                         |                           |                  |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------|-----------------------------------------------------|---------------------------|------------------|-------------------|
| RPC-N<br>50 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | Termination<br>Jack |          | 05K150-010S3                                        |                           |                  |                   |
| <div>Electrical data</div> <div>Frequency rangeDC to 18 GHz</div> <div>Return loss≥ 28 dB, DC to 18 GHz</div> <div>DC Resistance50 Ω ± 0.25 Ω</div> <div>Power handling≤ 1 W</div> <div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Maximum torque1.70 Nm</div> <div>Recommended torque1.10 Nm</div> <div>Gauge5.18 mm to 5.26 mm</div> <div>Environmental data</div> <div>Operating temperature range-40 °C to +85 °C</div> <div>Storage temperature range-40 °C to +85 °C</div> <div>RoHScompliant</div> <div>Packing</div> <div>Standard1 pce in box</div> <div>Weight49.8 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 02/08/04 | Lars Ramtke         | 19/03/15 | e00                                                 | 15-0329                   | Marion Striegler | 19/03/15          |
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