



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

**Interface**

According to IEC 60169-23  
Mechanically compatible with RPC-2.92 and SMA

**Documents**

N/A

**Material and plating**

**Connector parts**  
Center conductor  
Outer conductor  
Coupling nut  
Dielectric  
Substrate

**Material**  
CuBe  
Brass  
Brass  
PEEK  
Al<sub>2</sub>O<sub>3</sub>

**Plating**  
Gold, min. 1.27 µm, over nickel  
Gold, min. 1.27 µm, over nickel  
Gold, 0.1 µm min.

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RF\_35/09;14/6.2

# Technical Data Sheet

# Rosenberger

RPC-3.50

Termination  
Plug

03S17R-001D3

## Electrical data

Frequency range	DC to 26.5 GHz
Return loss	≥ 36 dB, DC to 4 GHz ≥ 23 dB, 4 GHz to 26.5 GHz
DC Resistance	50 Ω ± 0.5 Ω
Power handling	≤ 0.5 W

## Mechanical data

Mating cycles	≥ 500
Maximum torque	1.70 Nm
Recommended torque	0.90 Nm
Gauge	0.00 mm to 0.08 mm

## Environmental data

Operating temperature range	-40 °C to +85 °C
Storage temperature range	-40 °C to +85 °C
RoHS	compliant

## Packing

Standard	1 pce in bag
Weight	5.9 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	22.05.06	Markus Müller	14.10.16	e00	16-1390	Marion Striegler	14.10.16

  

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