



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
Al₂O₃

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 $50 \Omega \pm 0.5 \Omega$
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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