



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 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

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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