



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

Interface

RPC-2.92 according to
RPC-2.92 mechanically compatible with
SMP according to

IEC 61169-35
RPC-3.50 and SMA
MIL-STD-348A, Fig. 326

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact RPC-2.92
- Outer contact SMP
- Coupling nut
- Dielectric
- Gasket

Material

- CuBe
- Stainless steel
- CuBe
- Stainless steel
- PEEK
- Silicone

Plating

- Gold, min. 1.27 µm, over chemical nickel
- Passivated
- AuroDur®, gold plated
- Passivated

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/06.13/6.1

Adaptor
RPC-2.92 Plug – SMP Plug limited detent

02S119-S00E3

Electrical data

Frequency range	DC to 40 GHz
Return loss	≥ 32 dB, DC to 12 GHz
	≥ 26 dB, 12 GHz to 26.5 GHz
	≥ 21 dB, 26.5 GHz to 40 GHz

Mechanical data

Mating cycles RPC-2.92	≥ 500
Mating cycles SMP (limited detent)	≥ 500
Center contact captivation RPC-2.92	≥ 20 N
Center contact captivation SMP	≥ 7 N
Engagement force SMP (limited detent)	≤ 45 N
Disengagement force SMP (limited detent)	≥ 9 N
Recommended torque RPC-2.92	0.80 Nm to 1.10 Nm
Gauge RPC-2.92	0.00 mm to 0.08 mm
Gauge SMP	0.00 mm to 0.05 mm

Environmental data

Operating temperature range ¹	+20 °C to +26 °C
Storage temperature range	0 °C to +50 °C
RoHS	compliant

¹ Temperature range over which these specifications are valid.

Packing

Standard	1 pce in box
Weight	10.9 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
Herbert Babinger	06.12.04	O. Krautenbacher	12.11.13	e00	13-1287	Manuela Fuehrich	12.11.13
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de			Page 2 / 2