



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

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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

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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