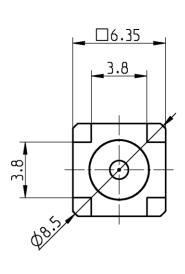
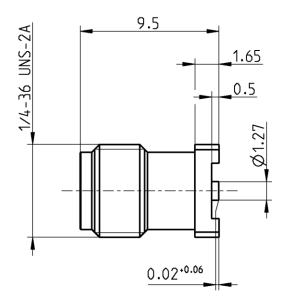
Technical Data Sheet		Rosenberger		
SMA	Straight Jack PCB	32K10A-40ML5		







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

Interface

According to

IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

PCB layout

Tape & reel packaging

B 163 VG08.50000

Material and plating

Connector parts

Center contact Outer contact Dielectric

Material CuBe Brass

CuBe Brass PTFE

Plating

AuroDur®, gold plated AuroDur®, gold plated

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Technical Data Sheet

Rosenberger

SMA

Straight Jack PCB

32K10A-40ML5

Electrical data

Impedance 50 Ω

Frequency DC to 12.4 GHz

VSWR $\leq 1.05 + 0.005 \text{ x f [GHz]},$ DC to 8 GHz

8 to 12.4 GHz \leq 1.30,

 $\leq 0.04 \text{ x } \sqrt{\text{f(GHz)}} \, dB$ Insertion loss

 $\geq 5 \text{ x} 10^3 \text{ M}\Omega$ Insulation resistance Center contact resistance \leq 3 m Ω Outer contact resistance \leq 2 m Ω Test voltage 1000 V rms Working voltage 480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz; ≤ 100 W @ 10 GHz

RF-leakage \geq 100 dB up to 1 GHz

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles min. 100 Center contact captivation: axial \geq 20 N radial ≥ 1 Ncm

Coupling test torque max. 0.6 Nm Recommended torque 0.5 Nm

Environmental data

Temperature range -55°C to +155°C MIL-STD-202, Meth. 107, Cond. B Thermal shock Corrosion MIL-STD-202, Meth. 101, Cond. B Vibration MIL-STD-202, Meth. 204, Cond. D Shock MIL-STD-202, Meth. 213, Cond. I

Moisture resistance MIL-STD-202, Meth. 106

IEC 61760-1, +260°C for 10 sec. Max. soldering temperature

RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 1.19 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	22.04.04	Chr. Janßen	04.11.20	h00	20-1927	S. Huber-Siegl	04.11.20

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