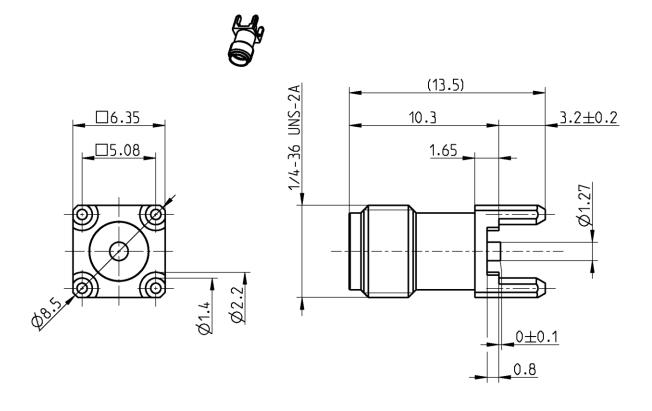
Technical Data Sheet		Rosenberger		
SMA	Straight Jack PCB	32K10K-400L5		



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 115a VG102.40000

Material and plating

Connector parts

Center contact Outer contact Dielectric Material CuBe

CuBe or equiv. PTFE Plating

AuroDur®, gold plated AuroDur®, gold plated

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Technical Data Sheet

Rosenberger

SMA

Straight Jack PCB

32K10K-400L5

Electrical data

Impedance 50 Ω

Frequency DC to 12,4 GHz VSWR \leq 1.1 + 0.02 x f [GHz]

Insertion loss $\leq 0.03 \text{ x } \sqrt{f(\text{GHz})} \, \text{dB}$ Insulation resistance $\geq 5 \text{ x} 10^3 \, \text{M}\Omega$

 $\begin{array}{ll} \text{Center contact resistance} & \leq 3 \text{ m}\Omega \\ \text{Outer contact resistance} & \leq 2 \text{ m}\Omega \\ \text{Test voltage} & 1000 \text{ V rms} \\ \text{Working voltage} & 480 \text{ V rms} \end{array}$

RF-leakage ≥ 100 dB up to 1 GHz

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles min. 500 Center contact captivation: axial \geq 20 N \geq 4 N \geq 20 N

 $\begin{array}{ccc} & & & & & \\ \text{Coupling test torque} & & & & \\ \text{Recommended torque} & & & & \\ \text{0.8 Nm to 1.1 Nm} \\ \end{array}$

Environmental data

Temperature range -55°C to +155°C
Thermal shock MIL-STD-202, Meth. 107, Cond. B

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

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

HS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 1.4 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
König A.	27.09.05	Chr. Janßen	05.11.20	d00	20-1927	S. Huber-Siegl	05.11.20

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