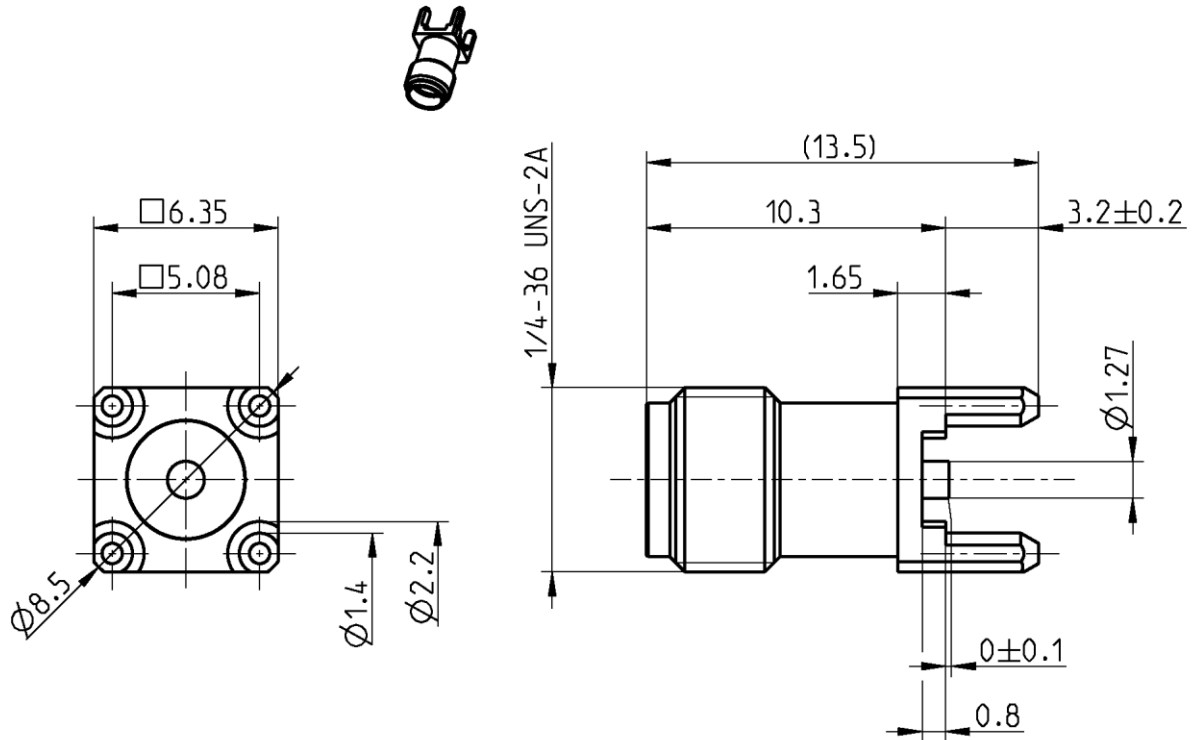




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

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

Documents

PCB layout

B 115a

Tape & reel packaging

VG102.40000

Material and plating

Connector parts

Center contact

Material

CuBe

Outer contact

CuBe or equiv.

Dielectric

PTFE

Plating

AuroDur®, gold plated

AuroDur®, gold plated

Electrical data

Impedance	50 Ω
Frequency	DC to 12,4 GHz
VSWR	$\leq 1.1 + 0.02 \times f \text{ [GHz]}$
Insertion loss	$\leq 0.03 \times \sqrt{f \text{ (GHz)}} \text{ dB}$
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 3 \text{ m}\Omega$
Outer contact resistance	$\leq 2 \text{ m}\Omega$
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz}; \leq 100 \text{ W @ 10 GHz}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	$\geq 20 \text{ N}$
radial	$\geq 1 \text{ Ncm}$
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

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.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	1.4 g/pce
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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
König A.	27.09.05	Chr. Janßen	05.11.20

Rev.	Engineering change number	Name	Date
d00	20-1927	S. Huber-Siegl	05.11.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

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