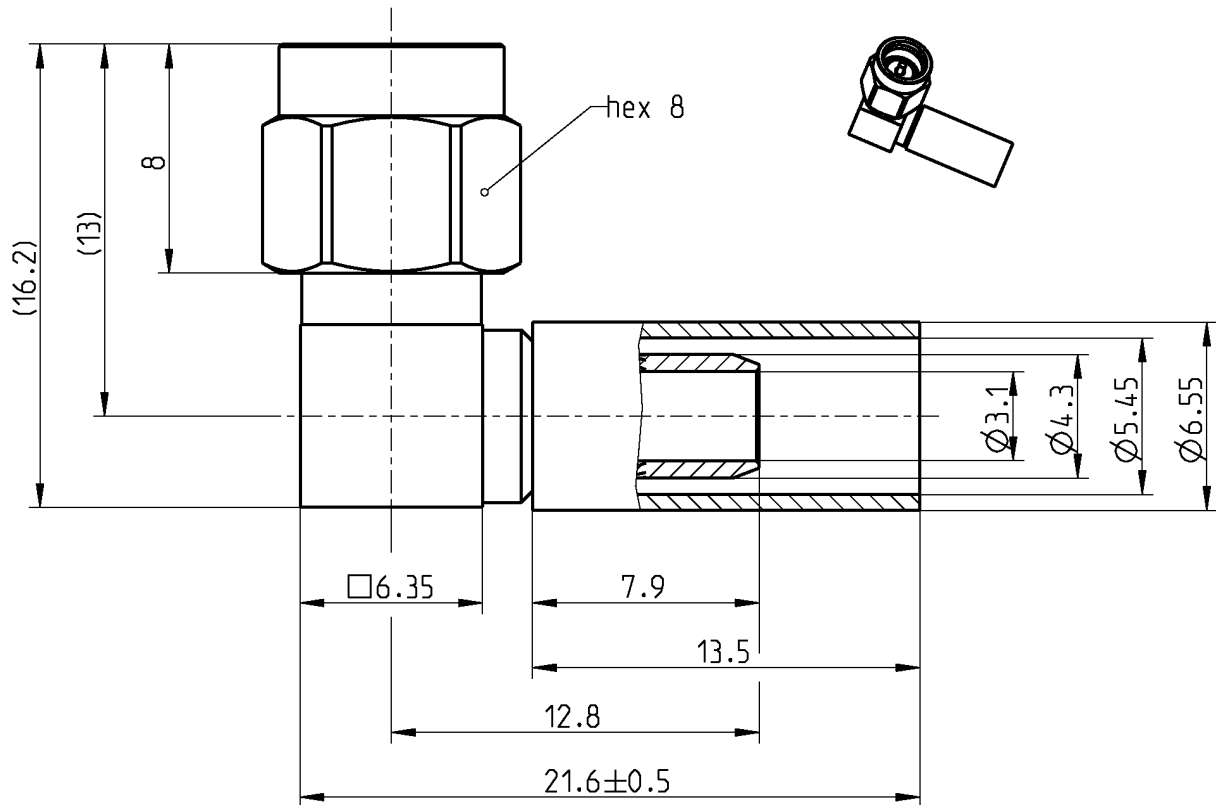




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

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

Documents

Assembly instruction

32 B9

Material and plating

Connector parts

Center contact	Brass
Outer contact	CuBe or equivalent
Body	Brass
Dielectric	PTFE
Gasket	Silicone
Coupling nut	CuBe or equivalent
Crimping ferrule	Copper

Material

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

Gold, 0.1 µm
Gold, 0.1 µm

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.03 , DC to 1 GHz ≤ 1.05 , 1 to 2.5 GHz ≤ 1.20 , 2.5 to 5 GHz
Insertion loss	$\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB, DC to 5 GHz
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)	$\leq 200 \text{ W @ 2 GHz}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	$\geq 270 \text{ N}$
Center contact captivation: axial	$\geq 20 \text{ N}$
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +165°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
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-108

Suitable cables

RG 141 /U, RG 58 C/U

Weight

Weight	5.70 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
Rong Fang	15/03/04	Sa. Krautenbacher	17.03.14	f00	14-0352	T. Krojer	17.03.14

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