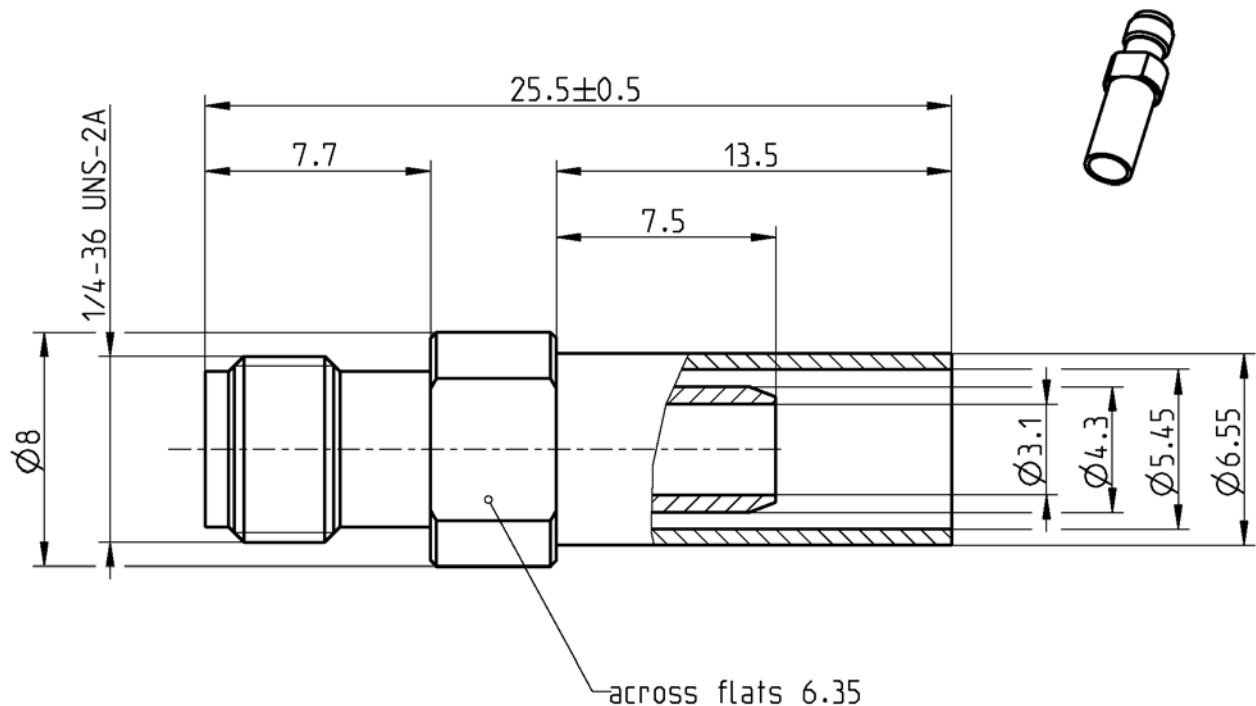




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

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

Documents

Assembly instruction

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Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Crimping ferrule

Material

CuBe
CuBe or equiv.
PTFE
Copper

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Gold, 0.1 µm

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.04 , DC to 1 GHz ≤ 1.05 , 1 to 2.5 GHz ≤ 1.20 , 2.5 to 5 GHz
Insertion loss	$\leq 0.03 \times \sqrt{f(\text{GHz})}$ 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
Center contact captivation: axial	$\geq 27 \text{ N}$
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
2002/95/EC (RoHS)	compliant

Tooling

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

Suitable cables

RG 141 /U, RG 58 C/U

Packing

Standard	1 pce in bag
Weight	4.36 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	J.Krautenbacher	28.09.07	d00	07-0589	S.Kra.	28.09.07

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