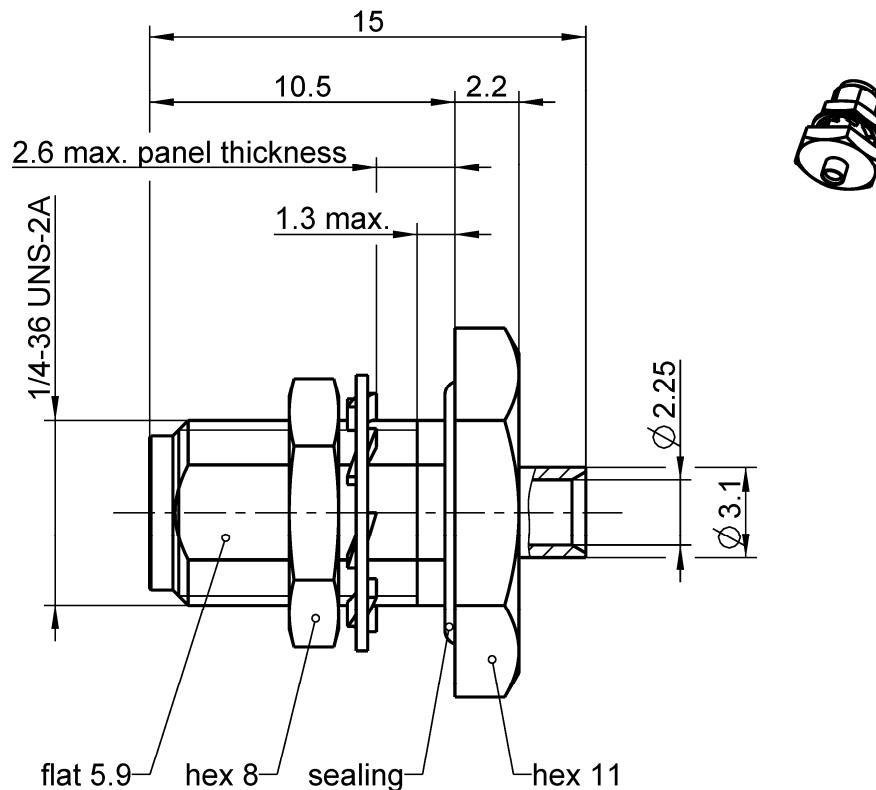




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-15; EN 122110; MIL-STD-348

Documents

Assembly instruction

32 A4 or 32 A21

Panel piercing

B 56

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Gasket

Material

CuBe
CuBe or equiv.
PTFE
Silicone

Plating

AuroDur®, gold plated
AuroDur®, gold plated

TECHNICAL DATA SHEET

Rosenberger

SMA BULKHEAD JACK

32K601-271L5

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≥ 30 dB @ DC to 8 GHz
	≥ 25 dB @ 8 to 12 GHz
	≥ 19 dB @ 12 to 18 GHz
Insertion loss	$\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 5 \times 10^3$ M Ω
Center contact resistance	≤ 3 m Ω
Outer contact resistance	≤ 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
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
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

N/A

Suitable cables

UT 85, RG 405

Weight

Weight	4.50 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Schmid	06.12.07	S. Mühlbacher	04.07.19	e00	19-1226	Fl. Öllerer	04.07.19
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