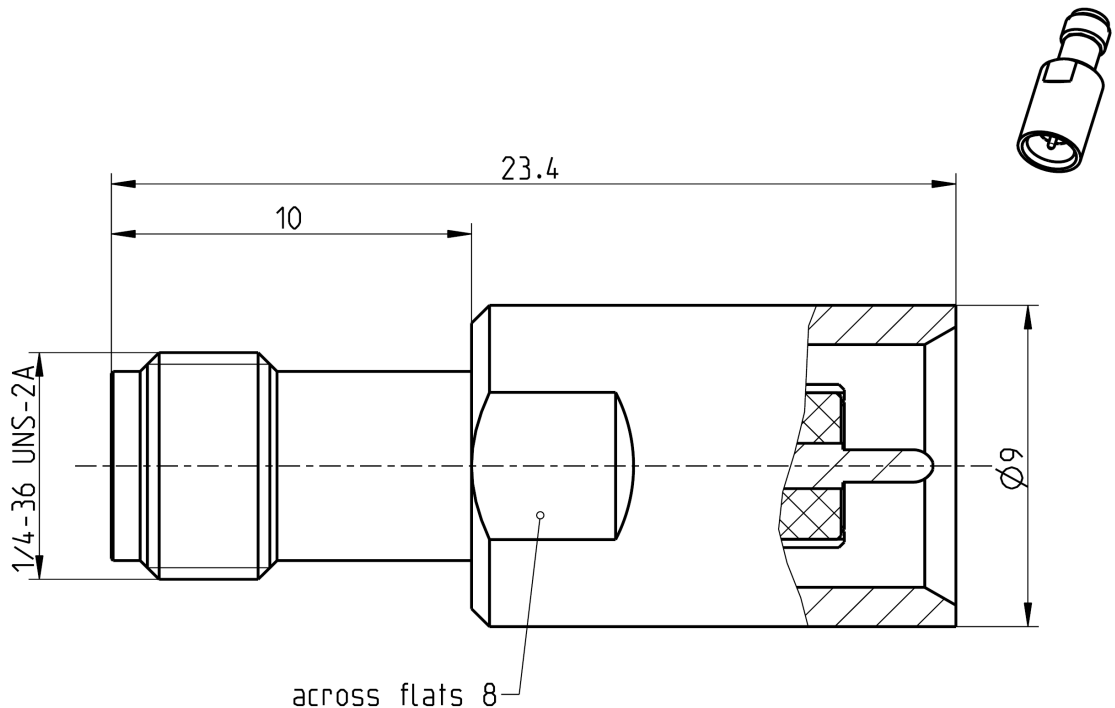




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

SMA interface according to
Push on SMA interface compatible to

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

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact push on SMA side
Outer contact SMA side
Body
Dielectric

Material

Beryllium copper
Beryllium copper
Stainless steel
Stainless steel
PTFE

Plating

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

TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
Push-on SMA PLUG – SMA JACK

32K132-S61S5

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≥ 30 dB ; DC to 3 GHz
	≥ 25 dB ; 3 GHz to 12 GHz
	≥ 21 dB ; 12 GHz to 18 GHz
Insertion loss	≤ 0.05 dB $\times \sqrt{f(\text{GHz})}$
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage	1000 V rms
Working voltage	350 V rms

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N

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

N/A

Weight

Weight	5.1 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Armin Maiwälder	27/11/06	J_Krautenbacher	22.07.16	b00	15-1629	I_Wallner	22.07.16

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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