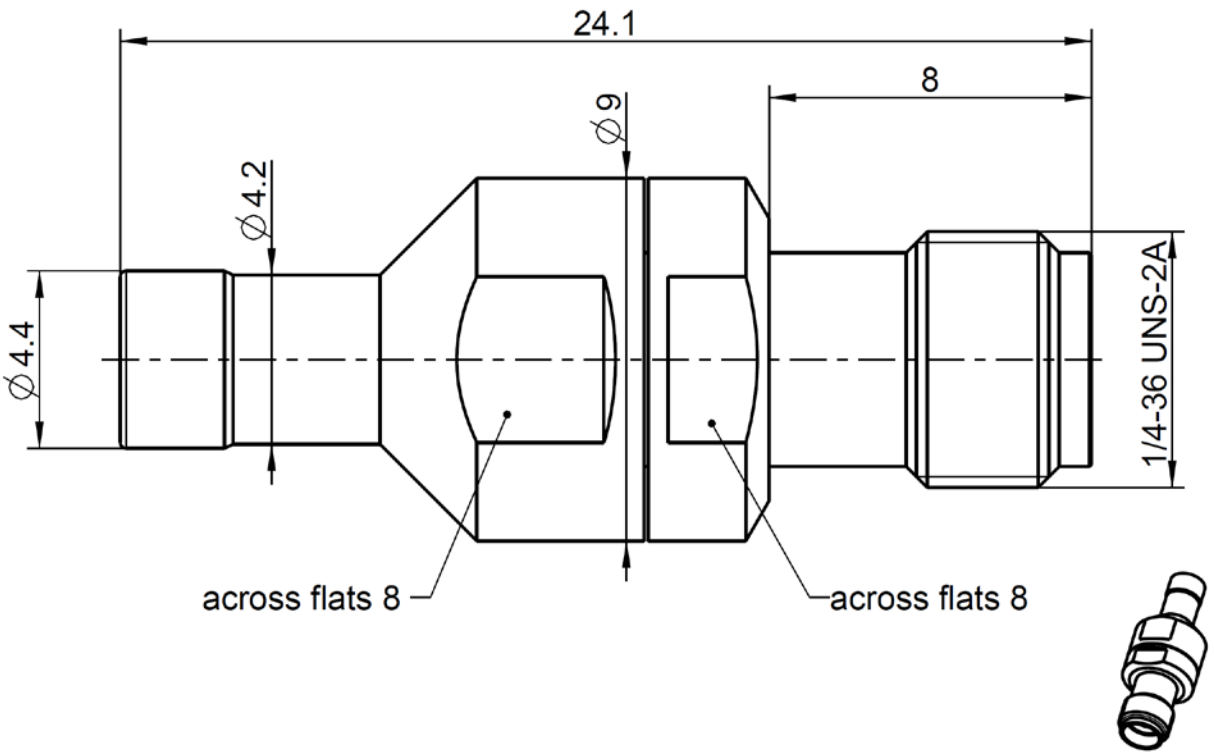
Technical Data Sheet Draft		Rosenberger
VIA	Adaptor VIA male – SMA female	**B2BS132-K00L5**



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

Interface

According to	VIA-side:	Rosenberger B2B-VIA
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe or equiv.	AuroDur®, gold plated
Outer contact 1	Brass	AuroDur®, gold plated
Outer contact 2	Stainless steel	Passivated
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 43 dB @ DC to 4 GHz ≥ 35 dB @ 4 GHz to 6 GHz
Insertion loss	≤ 0.1 x $\sqrt{f\ [GHz]}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Screening Attenuation	≥ 70 dB up to 6 GHz

Mechanical data

	VIA side	SMA side
Mating cycles	≥ 100	≥500
Center contact captivation	≥ 7 N	≥27 N
Disengagement force VIA side	Δ 5N (between Limited Detent and Smooth Bore)	
Working range	2 mm (± 1 mm)	
Radial misalignment	± 0.6 mm / 4°	
Pitch	≥ 6.5 mm	

Environmental data

Temperature range	-55 °C to +125 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Climatic category	IEC 61169-1, Sub-clause 9.4.5 (+155 °C, 250 hours)
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
RoHS	compliant

Tooling

N/A

Weight

Weight: 4.45g/pce

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