



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**

Center contact  
Outer contact 1  
Outer contact 2  
Dielectric

**Material**

CuBe or equiv.  
Brass  
Stainless steel  
PTFE

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated  
Passivated

# Technical Data Sheet

# Rosenberger

VIA

Adaptor  
VIA male – SMA female

**B2BS132-K00L5**

## 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 √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 4.41g/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
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