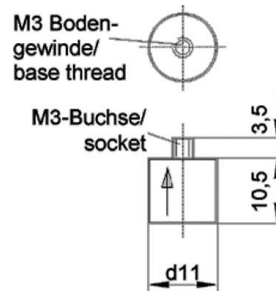


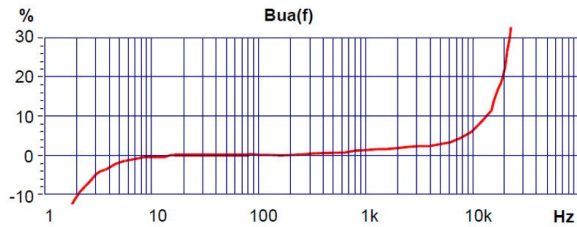
## Properties

- Miniature transducer for light test objects
- High resonant frequency
- Low-power IEPE output for power-saving operation
- M3 base thread

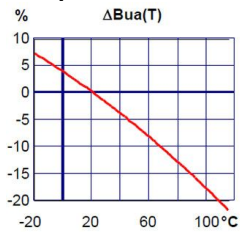


Piezo design	Shear design	
Output	Low-power IEPE	
Voltage sensitivity	14	mV/g
Sensitivity tolerance	20	%
Measurement range, pos./neg.	240	g
Destruction limit	8000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,3	Hz
Upper frequency limit (3 dB)	22000	Hz
Lower frequency limit (10 %)	0,7	Hz
Upper frequency limit (10 %)	12000	Hz
Lower frequency limit (5 %)	0,9	Hz
Upper frequency limit (5 %)	8000	Hz
Resonant frequency	>40	kHz
Resonance amplitude	25	dB
Constant current supply	0,1 - 4	mA
Bias voltage at 4 mA	4 - 6	V
Output impedance	<1200	$\Omega$
Residual noise; wide band; RMS	<1000 (0,5 - 20000 Hz)	$\mu$ g
Operating temperature range	-20 - 90	$^{\circ}$ C
Temperature coefficient of voltage sensitivity	-0,17	%/K
Temperature transient sensitivity	3	m/s <sup>2</sup> /K
Weight without cable	3.5	g
Case material	Aluminum/stainless steel	
Connector direction	axial	
Connector	Subminiature M3	
Mounting	M3	

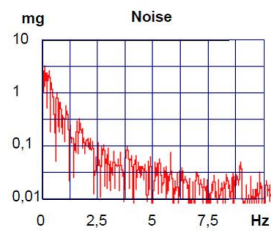
## Typical Frequency Response



## Temperature Coefficient



## Noise Characteristics



## Connection Accessories

- 009-SUB-BNC-1,5: Low-noise cable; 1,5 m; Subminiature M3 to BNC; 120 °C; D2,1
- 009-SUB-UNF-1,5: Low-noise cable; 1,5 m; Subminiature M3 to UNF 10-32; 120 °C; D2,1
- 009/T-SUB-UNF-1,5: Low-noise cable; 1,5 m; Subminiature M3 to UNF 10-32; 200 °C; D2,1
- 016: Coupler UNF 10-32 (female) to UNF 10-32 (female)
- 017: Plug adapter UNF10-32 (female) to BNC (male)
- 117: Plug adapter UNF10-32 (female) to BNC (female)
- 025: Plug adapter UNF10-32 (female) to TNC (male)

## Mounting Accessories

- 002: Bees wax for temporary sensor attachment
- 021: Mounting stud; M3 x 6
- 106: Screwed insulating flange; 2 x M3; D12; 110 °C
- 129: Adhesive insulating; flange M3; D12; 110 °C
- 022: Thread adapter; M3 female to M5 x 5 male
- 108: Rare earth magnetic base; M3; D10; 120 °C
- 130: Triaxial mounting cube; M3; □12
- 140: Adapter for strap attachment on curved surfaces; M3

## Delivery version with accessories kit KS94L/01

- 009-SUB-BNC-1,5: Low-noise cable; 1,5 m; Subminiature M3 to BNC; 120 °C; D2,1
- 021: Mounting stud; M3 x 6
- 002: Bees wax for temporary sensor attachment
- 106: Screwed insulating flange; 2 x M3; D12; 110 °C
- 129: Adhesive insulating; flange M3; D12; 110 °C
- 108: Rare earth magnetic base; M3; D10; 120 °C

**Notice:** The standard delivery includes an individual data sheet.

This is a non-accredited measurement/calibration and consequently not covered by EA MLA.

On request, we offer a DIN EN ISO/IEC 17025:2018 accredited calibration of the measurand acceleration in the measuring range 0.1 m/s<sup>2</sup> to 200 m/s<sup>2</sup>.



Manfred Weber

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08.23

