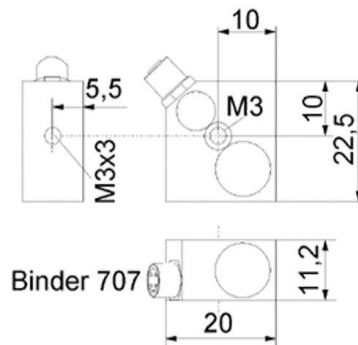


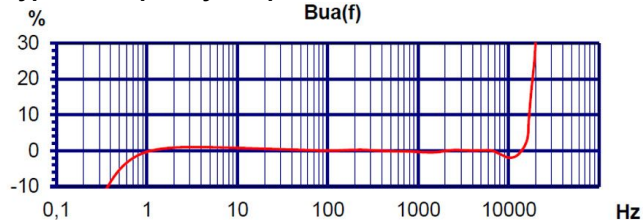
Properties

- Small dimensions
- Central drilling for easy mounting and axis alignment
- Applicable up to 120 °C
- Two sensitivity versions (10 and 100 mV/g)

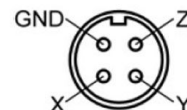


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	10	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	600	g
Destruction limit	8000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,2	Hz
Upper frequency limit (3 dB)	22000 (Z); 12500 (X/Y)	Hz
Lower frequency limit (10 %)	0,4	Hz
Upper frequency limit (10 %)	17000 (Z); 8000 (X/Y)	Hz
Lower frequency limit (5 %)	0,6	Hz
Upper frequency limit (5 %)	15000 (Z); 6300 (X/Y)	Hz
Resonant frequency	>42 (Z)	kHz
Resonance amplitude	25	dB
Constant current supply	2 - 20	mA
Bias voltage at 4 mA	12 - 14	V
Output impedance	<150	Ω
Residual noise; wide band; RMS	<3000 (0,5 - 20000 Hz)	μg
Noise density 1 Hz	750	μg/√Hz
Noise density 10 Hz	150	μg/√Hz
Noise density 100 Hz	40	μg/√Hz
Noise density 1000 Hz	10	μg/√Hz
Operating temperature range	-20 - 120	°C
Temperature coefficient of voltage sensitivity	0,05 (<20 °C)	%/K
	±0,02 (20 - 80 °C)	%/K
	-0,06 (>80 °C)	%/K
Temperature transient sensitivity	0,03	m/s²/K
Weight without cable	14	g
Case material	Aluminum	
Connector direction	radial	
Connector	Binder 707	
Mounting	M3 (Y/Z)	

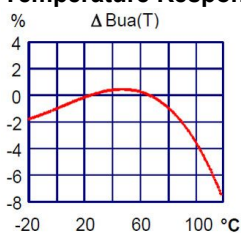
Typical Frequency Response



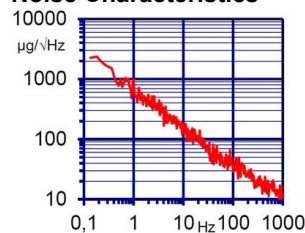
Contact Arrangement



Temperature Response



Noise Characteristics



Connection Accessories

- 091-B707-B711-3: IEPE cable; 3 m; Binder 707; 4 pins to Binder 711; male; 120 °C; Ø2,1
- 034-B711f-BNC: IEPE cable adapter Binder 711; 0,5 m; 4 pin; female. to 3 x BNC; male; 80 °C

Mounting Accessories

- 002W: Synthetic adhesive wax for temporary sensor attachment
- 021: Mounting stud; M3 x 6
- 308: Rare earth magnetic base; M3; Ø22; 120 °C
- 329: Adhesive pad insulating flange; M3; Ø20; 110 °C
- 140: Adapter for strap attachment on curved surfaces; M3
- 700: Underwater pressure hull for installation of sensors; 20 Bar

Delivery version with accessories kit KS943B10/01

- 091-B707-B711-3: IEPE cable; 3 m; Binder 707; 4 pins to Binder 711; male; 120 °C; Ø2,1
- 034-B711f-BNC: IEPE cable adapter Binder 711; 0,5 m; 4 pin; female. to 3 x BNC; male; 80 °C
- 002W: Synthetic adhesive wax for temporary sensor attachment
- 308: Rare earth magnetic base; M3; Ø22; 120 °C
- 329: Adhesive pad insulating flange; M3; Ø20; 110 °C
- 021: Mounting stud; M3 x 6

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/s² to 200 m/s².



Metra Meß- und Frequenztechnik Radebeul GmbH & Co. KG

Meißner Str. 58a
01445 Radebeul
Tel. +49 (0)351 836 2191

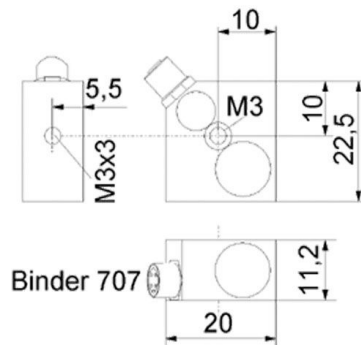
Internet: www.MMF.de
Email: Info@MMF.de
Fax: +49 (0)351 836 2940

09.26



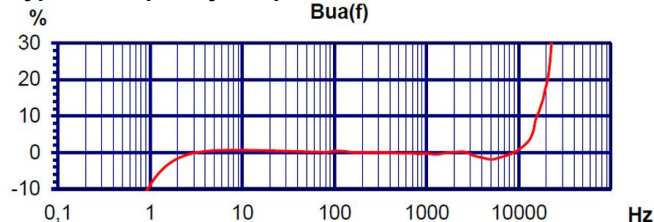
Properties

- Small dimensions
- Central drilling for easy mounting and axis alignment
- Two sensitivity versions (10 and 100 mV/g)
- Applicable up to 120 °C

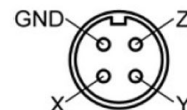


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	100	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	60	g
Destruction limit	8000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,5	Hz
Upper frequency limit (3 dB)	22000 (Z); 11000 (X/Y)	Hz
Lower frequency limit (10 %)	1	Hz
Upper frequency limit (10 %)	16000 (Z); 6300 (X); 8000 (Y)	Hz
Lower frequency limit (5 %)	1,5	Hz
Upper frequency limit (5 %)	14000 (Z); 5000 (X); 6300 (Y)	Hz
Resonant frequency	>32 (Z)	kHz
Resonance amplitude	25	dB
Constant current supply	2 - 20	mA
Bias voltage at 4 mA	12 - 14	V
Output impedance	<150	Ω
Residual noise; wide band; RMS	<400 (0,5 - 20000 Hz)	µg
Noise density 1 Hz	100	µg/√Hz
Noise density 10 Hz	15	µg/√Hz
Noise density 100 Hz	4	µg/√Hz
Noise density 1000 Hz	1	µg/√Hz
Operating temperature range	-20 - 120	°C
Temperature coefficient of voltage sensitivity	-0,08 (<20 °C)	%/K
	-0,08 (20 - 80 °C)	%/K
	-0,11 (>80 °C)	%/K
Temperature transient sensitivity	0,015	m/s²/K
Weight without cable	16	g
Case material	Aluminum	
Connector direction	radial	
Connector	Binder 707	
Mounting	M3 (Y/Z)	

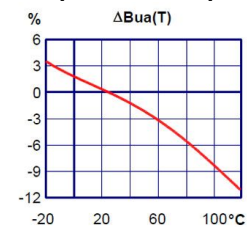
Typical Frequency Response



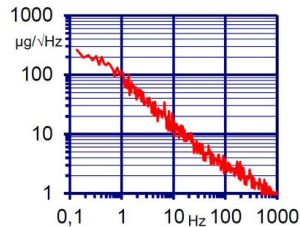
Contact Arrangement



Temperature Response



Noise Characteristics



Connection Accessories

- 091-B707-B711-3: IEPE cable; 3 m; Binder 707; 4 pins to Binder 711; male; 120 °C; Ø2,1
- 034-B711f-BNC: IEPE cable adapter Binder 711; 0,5 m; 4 pin; female. to 3 x BNC; male; 80 °C

Mounting Accessories

- 002W: Synthetic adhesive wax for temporary sensor attachment
- 021: Mounting stud; M3 x 6
- 308: Rare earth magnetic base; M3; Ø22; 120 °C
- 329: Adhesive pad insulating flange; M3; Ø20; 110 °C
- 140: Adapter for strap attachment on curved surfaces; M3
- 700: Underwater pressure hull for installation of sensors; 20 Bar

Delivery version with accessories kit KS943B100/01

- 091-B707-B711-3: IEPE cable; 3 m; Binder 707; 4 pins to Binder 711; male; 120 °C; Ø2,1
- 034-B711f-BNC: IEPE cable adapter Binder 711; 0,5 m; 4 pin; female. to 3 x BNC; male; 80 °C
- 002W: Synthetic adhesive wax for temporary sensor attachment
- 308: Rare earth magnetic base; M3; Ø22; 120 °C
- 329: Adhesive pad insulating flange; M3; Ø20; 110 °C
- 021: Mounting stud; M3 x 6

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/s² to 200 m/s².



Metra Meß- und Frequenztechnik Radebeul GmbH & Co. KG

Meißner Str. 58a
01445 Radebeul
Tel. +49 (0)351 836 2191

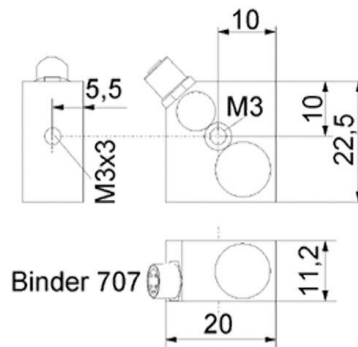
Internet: www.MMF.de
Email: Info@MMF.de
Fax: +49 (0)351 836 2940

09.26



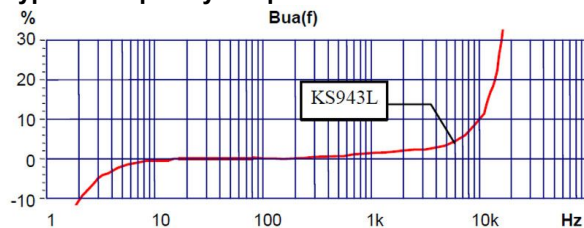
Properties

- Small dimensions
- Central drilling for easy mounting and axis alignment
- Low-power IEPE output for power-saving operation

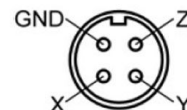


Piezo design	Shear design	
Output	Low-power IEPE	
Voltage sensitivity	14	mV/g
Sensitivity tolerance	20	%
Measurement range, pos./neg.	240	g
Destruction limit	8000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,3	Hz
Upper frequency limit (3 dB)	19000 (Z)	Hz
Lower frequency limit (10 %)	0,7	Hz
Upper frequency limit (10 %)	10000 (Z)	Hz
Lower frequency limit (5 %)	0,9	Hz
Upper frequency limit (5 %)	6000 (Z)	Hz
Resonant frequency	>33 (Z)	kHz
Resonance amplitude	25	dB
Constant current supply	0,1 - 4	mA
Bias voltage at 4 mA	4 - 6	V
Output impedance	<1200	Ω
Residual noise; wide band; RMS	<1000 (3 - 50000 Hz)	μg
Operating temperature range	-20 - 90	°C
Temperature coefficient of voltage sensitivity	-0,17	%/K
Temperature transient sensitivity	3	m/s²/K
Weight without cable	16	g
Case material	Aluminum	
Connector direction	radial	
Connector	Binder 707	
Mounting	M3 (Y/Z)	

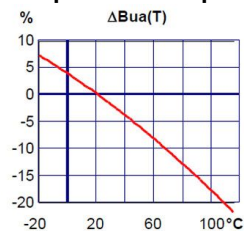
Typical Frequency Response



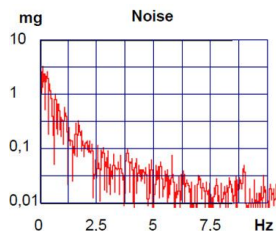
Contact Arrangement



Temperature Response



Noise Characteristics



Connection Accessories

- 091-B707-B711-3: IEPE cable; 3 m; Binder 707; 4 pins to Binder 711; male; 120 °C; Ø2,1
- 034-B711f-BNC: IEPE cable adapter Binder 711; 0,5 m; 4 pin; female. to 3 x BNC; male; 80 °C

Mounting Accessories

- 002W: Synthetic adhesive wax for temporary sensor attachment
- 021: Mounting stud; M3 x 6
- 308: Rare earth magnetic base; M3; Ø22; 120 °C
- 329: Adhesive pad insulating flange; M3; Ø20; 110 °C
- 140: Adapter for strap attachment on curved surfaces; M3
- 700: Underwater pressure hull for installation of sensors; 20 Bar

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/s² to 200 m/s².



Metra Meß- und Frequenztechnik Radebeul GmbH & Co. KG

Meißner Str. 58a

01445 Radebeul

Tel. +49 (0)351 836 2191

Internet: www.MMF.de

Email: Info@MMF.de

Fax: +49 (0)351 836 2940

09.26

