

MEB212 - KEVYT, VALETTU RUNKO, PAINO VAIN 10G, 100 MV/G TOP EXIT, INTEGRAL CABLE, 10-32 MOUNTING, HIGH VOLTAGE RESISTANCE

MEB212 Overmolded Accelerometer, IP68 Rated, >5 kV AC Dielectric Breakdown Voltage

MSP_VIRTUEMA CTC
RT_MANUFACTURER

MSP_VIRTUEMA MEB212
RT_SKU:

Tyyppi: 1-akselinen
Teollisuus

Herkkyys: 100 mV/g

Taajuusalue: 0
5-15000 Hz

Mittausalue: ± 50 g

- Sensitivity: 100 mV/g
- Frequency Response (± 3 dB): 30-900,000 CPM
- Dynamic Range: ± 50 g, peak
- Power Requirements Voltage Source: 18-30 VDC
- Temperature Range: -58 to 250°F
- Case Material: 316L Stainless Steel
- Connector: 10-32
- Max Temp: 250°F (121°C)

MSP_VIRTUEMART_TECHDETAILS



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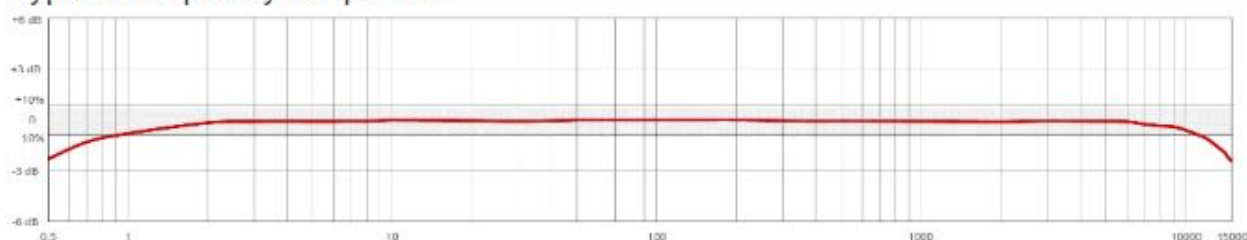
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB212	M/MEB212	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g. peak
Frequency Response ($\pm 10\%$)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		± 50 g. peak	Sealing		Welded, Hermetic
Electrical			Physical		
Settling Time	< 2 Seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	0.35 oz	10 grams
Spectral Noise @ 10 Hz	30 $\mu\text{g}/\sqrt{\text{Hz}}$		Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz	4 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting		10-32 UNF
Spectral Noise @ 1000 Hz	2 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector		10-32
Output Impedance	< 100 ohm		Cable Jacket Diameter		0.14 in (3.6 mm)
Bias Output Voltage	10-14 VDC		Cable Jacket Material		Polyurethane
Case Isolation	>10 ⁸ ohm		Cable Conductor		26 AWG Twisted Shielded Pair
Dielectric Breakdown Voltage	5 kV AC		Resonant Frequency	2,640,000 CPM	44 kHz
			Mounting Hardware	10-32 Stud	M5 Stud
			Calibration Certificate		CA10

Typical Frequency Response



MSP_VIRTUEMART_PRODDOCS

1. [Esite](http://www.mip.fi/images/docs/fi/meb212_datasheet.pdf) , (URL: http://www.mip.fi/images/docs/fi/meb212_datasheet.pdf)

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