

# MCB211 - KEVYT, VALETTU RUNKO, PAINO VAIN 10G, 10 MV/G TOP EXIT, INTEGRAL CABLE, 10-32 MOUNTING, PREMIUM

MCB211 Overmolded Accelerometer, IP68 Rated, High Frequency, 30 kHz Response

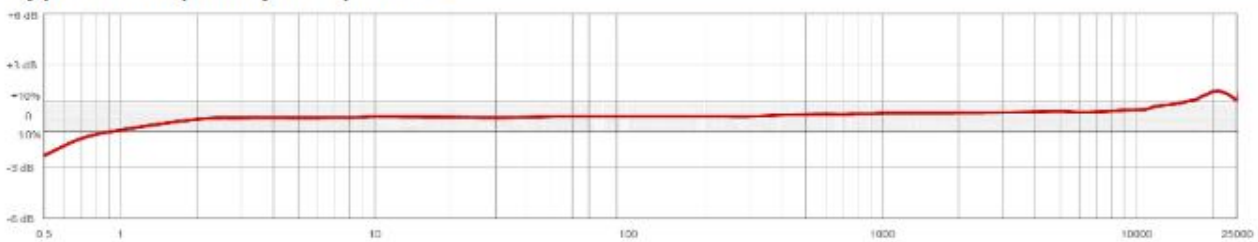
<b>Valmistaja:</b>	CTC
<b>Tuotenumero:</b>	MCB211
<b>Tyyppi:</b>	1-akselinen Teollisuus
<b>Herkkyy:</b>	10 mV/g
<b>Taajuusalue:</b>	0 5-30000 Hz
<b>Mittausalue:</b>	± 50 g

- Sensitivity: 10 mV/g
- Frequency Response ( $\pm 3$ dB): 30-1,800,000 CPM
- Dynamic Range:  $\pm 500$  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)

## Tekniset tiedot

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MCB211	M/MCB211	<b>Environmental</b>		
Sensitivity (±10%)		10 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-1,800,000 CPM		Maximum Shock Protection		10,000 g, peak
Frequency Response (±10%)	60-900,000 CPM	0.5 Hz-30 kHz	Electromagnetic Sensitivity		CE Pending
Frequency Response (±5%)	120-600,000 CPM	2 Hz-10 kHz	Sealing		Welded, Hermetic
Dynamic Range		± 500 g, peak	<b>Physical</b>		
<b>Electrical</b>			Sensing Element		PZT Ceramic
Settling Time		< 2 Seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-30 VDC	Weight	0.35 oz.	10 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		100 µg/√Hz	Mounting		10-32 UNF
Spectral Noise @ 100 Hz		19 µg/√Hz	Connector		10-32
Spectral Noise @ 1000 Hz		5 µg/√Hz	Cable Jacket Diameter		0.14 in (3.6 mm)
Output Impedance		< 100 ohm	Cable Jacket Material		Polyurethane
Bias Output Voltage		10-14 VDC	Cable Conductor		26 AWG
Case Isolation		>10 <sup>8</sup> ohm			Twisted Shielded Pair
			Resonant Frequency	2,640,000 CPM	44 kHz
			Mounting Hardware	10-32 Stud	M5 Stud
			Calibration Certificate		CA10

### Typical Frequency Response



## Dokumentit

1. [Esite](http://www.mip.fi/images/docs/fi/mcb211_datasheet.pdf), (URL: [http://www.mip.fi/images/docs/fi/mcb211\\_datasheet.pdf](http://www.mip.fi/images/docs/fi/mcb211_datasheet.pdf))

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