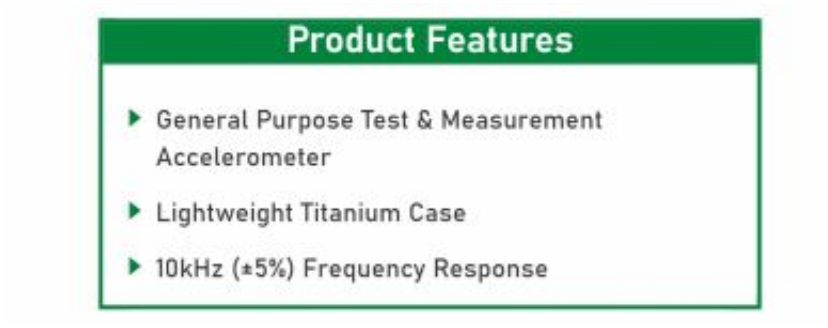
TCA110 TEST AND MEASUREMENT ACCELEROMETER

TEA110 - testi- ja mittauskiihtyvyysanturi, 10 mV/g, liitin sivulla, 10-32 coaxial connector, 10-32 mounting

MSP_VIRTUEMART_MANUFACTURER	CTC
MSP_VIRTUEMART_SKU:	TCA110
Tyyppi:	1-akselinen Testi ja mittaus
Herkkyys:	10 mV/g
Taajuusalue:	0.5-30000 Hz
Mittausalue:	± 500 g
Sovellukset:	Laboratory Measurements



MSP_VIRTUEMART_TECHDETAILS

Specifications	Standard	Metric
Part Number	TCA110	
Sensitivity (±10%)	10 mV/g	
Frequency Response (±3dB)	30-1,800,000 CPM	0.5 Hz-30 kHz
Frequency Response (±10%)	30-900,000 CPM	0.5 Hz-15 kHz
Frequency Response (±5%)	30-600,000 CPM	0.5 Hz-10 kHz
Dynamic Range	± 500g, peak	
Non-Linearity	≤ 1%	
Transverse Sensitivity	≤ 5%	
Electrical		
Settling Time	< 2 Seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	100 µg/√Hz	
Spectral Noise @ 100 Hz	19 µg/√Hz	
Spectral Noise @ 1000 Hz	5 µg/√Hz	
Output Impedance	< 100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	Case Ground	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	10,000 g, peak	
Electromagnetic Sensitivity	CE (Pending)	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	0.35 oz	10 grams
Case Material	Titanium	
Mounting	10-32 UNF	
Connector	10-32	
Resonant Frequency	2,640,000 CPM	44 kHz
Calibration Certificate	CA12 Step Calibration	

MSP_VIRTUEMART_PRODDOCS

1. Esite , (URL: http://www.mip.fi/images/docs/fi/tca110_datasheet.pdf)

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