

TCA110 TEST AND MEASUREMENT ACCELEROMETER

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

Valmistaja:	CTC
Tuotenumero:	TCA110
Tyyppi:	1-akselinen Testi ja mittaus
Herkkyys:	10 mV/g
Taajuusalue:	0.5-30000 Hz
Mittausalue:	± 500 g
Sovellukset:	Laboratorio mittaukset

Product Features
▶ General Purpose Test & Measurement Accelerometer ▶ Lightweight Titanium Case ▶ 10kHz (±5%) Frequency Response

Tekniset tiedot

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TCA110		Environmental		
Sensitivity (±10%)		10 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-1,800,000 CPM	0.5 Hz-30 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response (±10%)	30-900,000 CPM	0.5 Hz-15 kHz	Electromagnetic Sensitivity		CE (Pending)
Frequency Response (±5%)	30-600,000 CPM	0.5 Hz-10 kHz	Sealing		Welded, Hermetic
Dynamic Range		± 500g, peak	Physical		
Non-Linearity		≤ 1%	Sensing Element		PZT Ceramic
Transverse Sensitivity		≤ 5%	Sensing Structure		Shear Mode
Electrical			Weight	0.35 oz	10 grams
Settling Time	< 2 Seconds		Case Material		Titanium
Voltage Source (IEPE)	18-30 VDC		Mounting		10-32 UNF
Constant Current Excitation	2-10 mA		Connector		10-32
Spectral Noise @ 10 Hz	100 µg/√Hz		Resonant Frequency	2,640,000 CPM	44 kHz
Spectral Noise @ 100 Hz	19 µg/√Hz		Calibration Certificate		CA12 Step Calibration
Spectral Noise @ 1000 Hz	5 µg/√Hz				
Output Impedance	< 100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	Case Ground				

Dokumentit

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

Lisäkuvat ja videot

