

MTLA-2050 SENSOR

High-Performance | DC Sensitive | Accelerometer

POWER REQUIREMENTS

Standard	1.5 mA @ 10 - 16 V
Low Power	0.7 mA @ 10 - 16 V

PERFORMANCE

Frequency Range	DC - 100 Hz
Sensitivity (Scale Factor)	0.3 V/m/SEC ²
Full Scale Output (Nominal)	± 10 V
Output Noise	5 mkg
Vibration Sensitivity	1000 mkg/g ²
Bias	< 30 mg
Dynamic Range	120 dB

ENVIRONMENTAL

Operating Temperature: Standard / Extended	-15°C to +55°C / -49°C to +65°C
Storage Temperature	-15°C to +65°C
Sensor Size	20 x 10 x 6 mm
Weight	12 grams

TECHNICAL SPECIFICATIONS



The MTLA-2050 is a linear accelerometer that has lower self-noise, better bias stability and a broader dynamic range than current MEM accelerometers. The potential application areas include navigation systems, measurements of the tilts and vibration monitoring.