

222A100 Low Cost Accelerometer

KD37 Successor - Single Axis & High Sensitivity

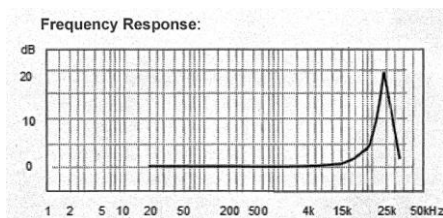
Properties

- High sensitivity accelerometer with share ceramics
- Charge output, no external power required
- Wide dynamic range
- Rugged stainless steel housing



Piezo design	Share design	
Output	Charge	
Charge sensitivity	100	pC/g
Sensitivity tolerance	20	%
Measurement range, ±	800	g Peak
Destruction limit	5000	g
Capacitance without cable	4560	pF
Transverse sensitivity	<5	%
Upper frequency limit (±1 dB)	6000	Hz
Resonant frequency	>25	kHz
Resonance amplitude	25	dB
Operating temperature range	-54 - 150	°C
Temperature coefficient of voltage sensitivity	0,07	%/K
Temperature transient sensitivity	30	m/s ² /K
Acoustic noise sensitivity	0,1	m/s ² /Pa
Magnetic field sensitivity	10	m/s ² /T
Size (DxH)	16.2 x 20.1	mm
Weight without cable	20	g
Case material	Stainless steel	
Connector direction	radial	
Connector	M5 UNF10-32	
Mounting	M5	

Typical Frequency Response



Connection Accessories

- 009-UNF-UNF-2: Low-noise cable; 2 m; UNF 10-32 to BNC; 120 °C; D2,1

Mounting Accessories

- B001-100N magnetic base insulating type