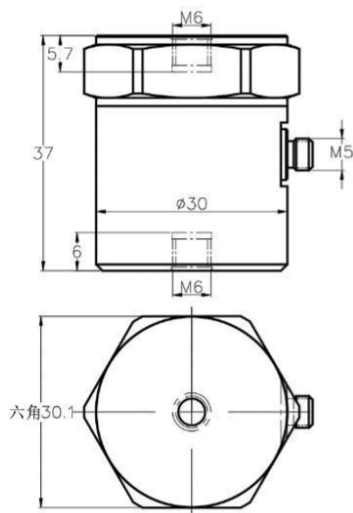


Standard Accelerometer

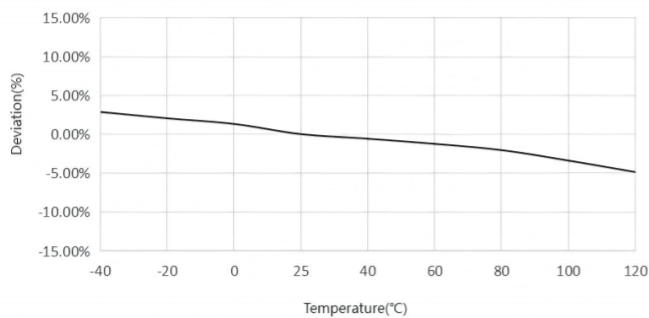
DETAILS

The B06B04 accelerometer is a standard sensor featuring a piezoelectric ceramic shear structure. It offers wide-band frequency response, low transverse sensitivity, and low thermal transient response. Its internal high-temperature, low-impedance circuitry ensures low noise and favorable sensitivity temperature response. The stainless steel housing is laser-welded for exceptional sealing integrity and strength, with M6 mounting threads provided on both upper and lower mounting surfaces.

Fig_1 Dimensions of B06B04



Fig_2 Typical Temperature Response



FEATURES

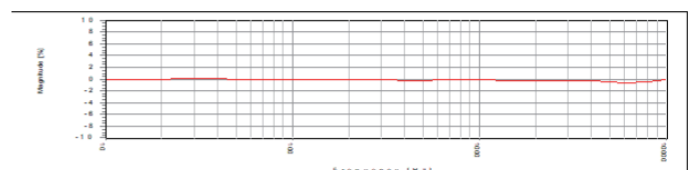
- Dual-head M6 back-to-back calibration
- Superior frequency response characteristics
- High long-term stability, low lateral sensitivity

TYPICAL APPLICATIONS

- Sensor Calibration
- Bench Testing



Fig_3 Typical Frequency Response



Specifications-B06B04

MODEL NUMBER		UNIT	B06B04
PERFORMANCE			
Sensitivity ¹		mV/g	100
		mV/(m/s²)	10
Measurement Range		g	±50
Broadband Resolution ²		g rms	0.0001
Non-Linearity ³		%	1
Frequency Range	± 2%	Hz	1-10k
	±5%		0.5-11k
Resonance Frequency ²		Hz	≥23k
Discharge Time Constant ²		s	≤1
Transverse Sensitivity		%	≤5
ELECTRICAL			
Excitation Voltage		VDC	20-30
Constant Current Excitation		mA	2-20
Output Impedance		Ω	≤100
Output Bias Voltage		V	8-12
Electrical Isolation		Ω	-
Spectral Noise ²	10Hz	μg/√Hz	11
	100Hz		4
	1000Hz		2.5
ENVIRONMENTAL			
Sinusoidal Vibration Limit ⁴		g rms	400
Shock Limit ⁴		g pk	1000
Temperature Range		°C	-40~120
		°F	-40~248
Temperature Response ²		-	See typical curve
PHYSICAL			
Sealing		-	Laser welding IP68
Sensing Element		-	Piezoelectric ceramics
Housing Material		-	Stainless steel
Size		mm	HEX 30.1×37
		in	HEX 1.185×1.457
Electrical Connector		-	M5 Side (Opt. 10-32)
Mounting Thread		-	M6
Weight ²		g	187.4
		oz	6.610
TEDS Optional ⁵		-	Yes

Additional Information

Note:

- @ 160Hz, 24VDC, 4mA conditions
- Typical values
- JBT 6822-2018 7.12.1 Vibration Testing Method
- References the mechanical structure of the sensor not being damaged in a non powered state, rather than in a working state
- Some products may have changes in size after adding TEDS

B06B04

Supplied Accessories:

- Product Verification Report
- Install Screws

OPTIONALVERSIONS

-A: 10-32 Output Connector

COMPLIANCE WITH STANDARDS



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