Low-frequency, filtered accelerometer



799LF

SPECIFICATIONS

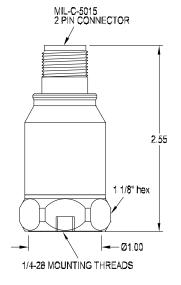
J J		
Sensitivity, ±5%, 25°C		500 mV/g
Acceleration range		10 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	0.3 - 1,200 Hz 0.2 - 1,600 Hz 0.1 - 2,500 Hz
Resonance frequency		18 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	−50°C +120°C	–7% +5%
Power requirement: Voltage source Current regulating diode		15 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g: Spectral	0.1 Hz 1 Hz 10 Hz 100 Hz	15 μg/√Hz 3 μg/√Hz 1 μg/√Hz 1 μg/√Hz
Output impedance, max		400 Ω
Bias output voltage		8.0 VDC
Grounding		case isolated, internally shielded
Temperature range		–50° to +120°C
Vibration limit		250 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g		150 μg/gauss
Sealing		hermetic
Base strain sensitivity, max		0.0005 g/µstrain
Sensing element design		PZT ceramic / shear
Weight		205 grams
Case material		316L stainless steel
Mounting		1/4-28 tapped hole
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type

Accessories supplied: SF6 mounting stud; calibration data (level 3)



Key features

- · Ultra low noise
- Optimized for 15 V supply
- Available with M12 connector
- · Manufactured in ISO 9001 facility





PIN-OUT

Connections	
Function	Connector pin
power/signal	A
common	В
ground	shell

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.