Extremely low-frequency accelerometer 786LF series

SPECIFICATIONS

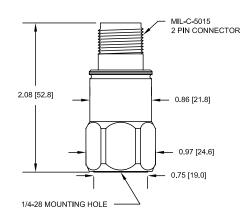
SPECIFICATIONS			,	,	
		786LF	786LF-250	786LF-500	
Sensitivity, ±5%, 25°C		100 mV/g	250 mV/g	500 mV/g	
Acceleration range, VDC > 22 \	/	50 g peak	20 g peak	10 g peak	
Amplitude nonlinearity		1%			
	±5% ±10% :3 dB	0.35 - 5,000 Hz 0.25 - 8,000 Hz 0.10 - 13,000 Hz			
Resonance frequency, nominal		30 kHz			
Transverse sensitivity, max		5% of axial			
• •	-25°C 20°C	–10% +15%			
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA			
10	5 kHz 10 Hz 00 Hz 00 Hz	400 µg rms 5.0 µg/√Hz 3.0 µg/√Hz 3.0 µg/√Hz	350 µg rms 4.0 µg/√Hz 3.0 µg/√Hz 3.0 µg/√Hz	250 µg rms 3.0 µg/√Hz 2.0 µg/√Hz 2.0 µg/√Hz	
Output impedance, max		100 Ω	200 Ω	300 Ω	
Bias output voltage		13 VDC			
Grounding		case isolated, internally shielded			
Temperature range		–50° to +120°C			
Vibration limit		500 g peak			
Shock limit		5,000 g peak			
Electromagnetic sensitivity, equiv. g, max		70 µg/gauss			
Sealing		hermetic			
Base strain sensitivity, max		0.0002 g/µstrain			
Sensing element design		PZT, shear			
Weight		90 grams			
Case material		316L stainless steel			
Mounting		1/4-28 UNF tapped hole			
Output connector		2 pin, MIL-C-5015 style			
Mating connector		R6 type			
Recommended cabling		J10 / J9T2A,			

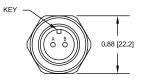




Key features

- Available in 100, 250 or 500 mV/g sensitivity
- Extended low frequency response
- Manufactured in ISO 9001 facility





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

Accessories supplied: SF6 mounting stud (metric mounting available); calibration data (level 2)

CE

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

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