Extremely low-frequency accelerometer

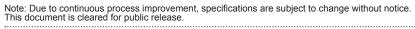
786LF series

SPECIFICATIONS

		786LF	786LF-250	786LF-500	
Sensitivity, ±5%, 25°C		100 mV/g	250 mV/g	500 mV/g	
Acceleration range, VDC >	22 V	50 g peak	20 g peak	10 g peak	
Amplitude nonlinearity		1%			
Frequency response:	±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			
Temperature response:	−25°C +120°C	–10% +15%			
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA			
Electrical noise, equiv. g: Broadband 2.5 Hz Spectral	to 25 kHz 10 Hz 100 Hz 1,000 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 stainles	316L stainless steel		
Mounting		1/4-28 UNF t	1/4-28 UNF tapped hole		
Output connector		2 pin, MIL-C-5015 style			
Mating connector		R6 type			
Recommended cabling		J10 / J9T2A,	<100 ft.		
Accessories supplied: SE6 mou	nting stud (mot	ric mounting avails	hla): aalibration a	lata (laval 2)	

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

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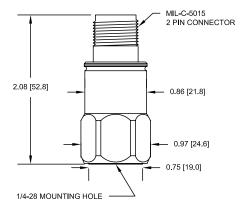


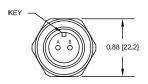




Key features

- 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	