High temperature accelerometer HT780A

SPECIFICATIONS

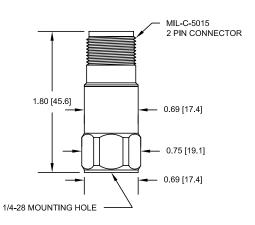
Sensitivity, ±5%, 25°C		100 mV/g	
Acceleration range, VDC > 25 V		80 g peak	
Amplitude nonlinearity		1%	
±′	±5% 10% 3 dB	3 - 5,000 Hz 1 - 9,000 Hz 0.5 - 14,000 Hz	
Resonance frequency, nominal		30 kHz	
Transverse sensitivity, max		5% of axial	
	25°C 50°C	-10% +15%	
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA	
	0 Hz 0 Hz	25°C 700 μg 10 μg/√Hz 5 μg/√Hz 5 μg/√Hz	150°C 1,100 µg 14 µg/√Hz 7 µg/√Hz 7 µg/√Hz
Output impedance, max		100 Ω	
Bias output voltage: +2 +15	5°C 0°C	13 VDC 12 VDC	
Grounding		case isolated, internally shielded	
Temperature range ¹		–50° to +165°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		62 grams	
Case material		316L stainless steel	
Mounting		1/4-28 UNF tapped hole	
Output connector		2 pin, MIL-C-50	15 style

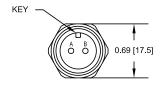




Key features

- · Compact, lightweight
- Operation in environments up to 165°C
- Manufactured in ISO 9001 facility





ConnectionsFunctionConnector pinpower/signalAcommonBgroundshell

Notes: ¹ Dependent on current supply. BOV, dynamic range and noise may vary.

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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