Radiation resistant accelerometer

793R

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SPECIFICATIONS

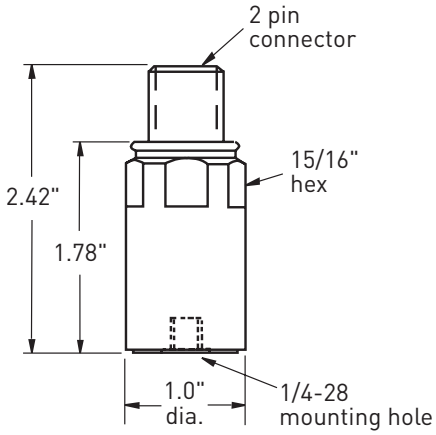
Sensitivity, ±5%, 25°C		100 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	**±5%**	3 - 5,000 Hz
	±10%	2 - 7,000 Hz
	±3 dB	1 - 15,000 Hz
Resonance frequency, nominal		26 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	**–50°C**	–5%
	+120°C	+5%
Power requirement:		
Voltage source		18 - 28 VDC
Current regulating diode[1]		2 - 10 mA
Electrical noise, equiv. g, nominal:		
Broadband	**2.5 Hz to 25 kHz**	700 µg
Spectral	**10 Hz**	10 µg/√Hz
	100 Hz	5 µg/√Hz
	1,000 Hz	5 µg/√Hz
Output impedance, max		100 Ω
Bias output voltage, nominal		12 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		15 µg/gauss
Humidity limit		100% relative
Base strain sensitivity		0.004 g/µstrain
Radiation exposure limit		1 x 10^7 RADs
Weight		110 grams
Case material		stainless steel
Mounting		1/4-28 tapped hole
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6
Recommended cabling		J9T2 two conductor shielded, Tefzel® jacket, 30 pF/ft.

Notes: [1] A maximum current of 6 mA is recommended for operating temperatures in excess of 100°C.
Accessories supplied: SF6 mounting stud; calibration data

CE

Key features

- Radiation rated
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	A
common	B

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

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