

MODEL NUMBER 3225F2	PERFORMANCE SPECIFICATION	DOC NO. PS3225F2
	ACCELEROMETER, IEPE	REV A, ECN 12537, 03/01/16



PHYSICAL Weight, Max

Mounting Provision

Sensing Element Type

Case Material

PERFORMANCE Sensitivity, ± 10% [3]

Size (Dia. X Length Hex X Height)

Connector, Radially Mounted [2]

Range F.S For ± 5 Volts Out

Mounted Resonant Frequency

Amplitude Non-Linearity [4]

Transverse Sensitivity, Max. Noise Resolution

Strain Sensitivity @250/με

ENVIRONMENTAL
Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

ELECTRICAL

Bias Voltage Discharge Time Constant Case Isolation, Min.

Supply Current [5] Compliance Voltage Output Impedance, Typ.

, ± 10%

Frequency Response, ± 5%

- MINIATURE SIZE
- REMOVABLE CABLE WITH 10-32 CONNECTOR
- HERMETICALLY SEALED

**ENGLISH** 

CASE ISOLATED

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC

## Supplied Accessories

- 1) Model 6591A installation wrench
- 2) Model 6298 small petro mounting wax
- 3) Accredited calibration certificate (ISO 17025)

## lotes:

SI

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran cable 6003A.
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.

Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F2 for more information.

- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.

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0.04	oz	1.0	grams
0.31 x 0.48 x 0.19	in	7.9 x 12.2 x 4.8	mm
[1]		[1]	
3-56		3-56	
Aluminum, Anodized		Aluminum, Anodized	
Quartz, Planar Shear		Quartz, Planar Shear	
10	mV/g	1.0	mV/m/s <sup>2</sup>
±500	g's	± 4905	m/s <sup>2</sup>
2 to 5000	Hz	2 to 5000	Hz
2 to 10,000	Hz	2 to 10,000	Hz
> 60	kHz	> 60	kHz
± 1	% F.S	±1	% F.S
5	%	5	%
0.006	grms	0.059	m/s <sup>2</sup> rms
0.05	g/με	0.49	$m/s^2/\mu\epsilon$
	•		
400	Grms	3924	m/s <sup>2</sup> rms
5000	Gpeak	49050	m/s <sup>2</sup> peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	
	<u>.</u>		!
2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
70	Ω	70	Ω
+7 to +11	VDC	+7 to +11	VDC
0.3 to 1.0	Sec	0.3 to 1.0	Sec
10	GΩ	10	GΩ
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