

- 3. MATERIAL FOR HOUSING & CONNECTOR 316L STAINLESS STEEL.
- 2. MOUNTING TORQUE 15 LB.-IN.
- 1. WEIGHT 6.8 GRAMS

Model Number 3030B5

PERFORMANCE SPECIFICATION

PS3030B5

MINIATURE IEPE ACCELEROMETER

REV B, ECN 6906, 07/07/10

m/s²

Hz

kHz

m/s2 rms

% F.S.

%

m/s²/με



- MINIATURE SIZE
- EXCELLENT LINEARITY
- HERMETICALLY SEALED

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Weight
Size Hex x Height
Connector Top Mounted
Mounting Provision Integral Stud
Material Accelerometer and Connector
Element Style

PERFORMANCE

Sensitivity, ±5% [1]
Range F.S for ± 5 Volts Output
Frequency Response, ±5%
Resonant Frequency, Nom
Equivalent Electrical Noise Floor
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250με

ENVIRONMENTAL

Maximum Vibration Maximum Shock Temperature Range Seal, Hermetic

ELECTRICAL

Supply Current Range [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant

LINGLIGIT	
0.24	oz
0.375 x 0.67	Inche
10-32 Micro Coax	Ī
10-32 (UNF-2A)	Ī
304L	Ī
Quartz Shear	Ī
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ENGLISH

10	mV/g
±500	g
5 to 10000	Hz
30	kHz
0.0036	Grms
± 1%	% F.S.
5	%
0.003	g/με

±1000	Gpeak
±3000	Gpeak
-60 to+250	°F
Welded/Glass To Metal	

mA
Volts
Ω
VDC
Sec

	6.8 9.525 x 17.01 10-32 Micro Coax	grams mm
	10-32 (UNF-2A) 304L	
	Quartz Shear	
ĺ	1	mV/m/s²

±4905

5 to 10000

30

0.0353

± 1%

5

0.03

SI

±9810	m/s² peal
±29430	m/s² peal
-51 to 121	°C
Welded/Glass To Metal	

2 to 20	mA
+ 18 to +30	Volts
100	Ω
7.5 to 11	VDC
0.1 to 0.15	Sec
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This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
3030B4	10	2 to 10000	0.5 to 1	-60 to 250
3030B5H	10	5 to 10000	0.1 to 0.15	-60 to 325

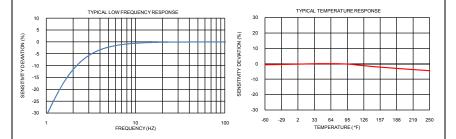
Please refer to the performance specifications of the products in this family for detailed description

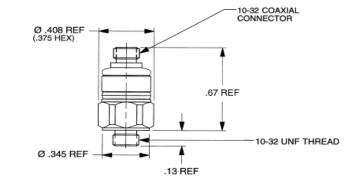
Supplied Accessories:

1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Measure at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.





Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3030B for more information.

