

Model Number 3054B PERFORMANCE SPECIFICATION PS3054B BIAXIAL IEPE ACCELEROMETER REV.A, ECN 13801, 10/25/17



• MINIATURE SIZE

- SUBMERSIBLE
- HERMETICALLY SEALED
- CASE GROUND ISOLATED

ENGLISH

οz

PHYSICAL	
----------	--

Weight, Less Cable, Max. Cable Mounting Provision, [5] Material Sensing Material

PERFORMANCE

Sensitivity, ±10% [1]

Range F.S for ± 5 Volts Output (each axis), ±

Frequency Response, ±10% [4]

Resonant Frequency

Equivalent Electrical Noise Floor, Max.

Linearity [2]

Maximum Transverse Sensitivity

Signal Polarity

ENVIRONMENTAL

Maximum Vibration, ± Maximum Shock

Temperature Range

Seal

ELECTRICAL

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

LINGLIGHT	
0.25	
Flying Leads	
Spring Clips	
300 Series	
Quartz	

25	mV/g
200	g
2 to 500	Hz
>30	kHz
0.003	Grms
± 1	% F.S.
5	%
Orthogonal & Transverse	

oeak	Gp	600	
oeak	Gp	1000	
°F	۰	-65 to +250	
		Hermetic	

2.0 to 20	mA
+18 to +30	Volts
100	Ω
+7 to +9	VDC
0.2 to 1.0	Sec
10	MΩ
	-

SI		
7.2	grams	
Flying Leads		
Spring Clips		
300 Series		
Quartz		

2.6	mV/m/s
1962	m/s ²
2 to 500	Hz
>30	kHz
0.03	m/s² rm:
± 1	% F.S.
5	%
Orthogonal & Transverse	

9810 m/s ² -54 to +121 °0 Hermetic	peak
*	peak
Hamadia	С
Hermetic	

2.0 to 20	mA
+18 to +30	Volts
100	Ω
+7 to +9	VDC
0.2 to 1.0	Sec
10	MΩ

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

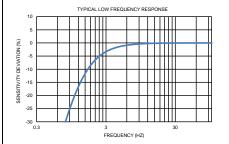
Refer to the performance specifications of the products in this family for detailed description.

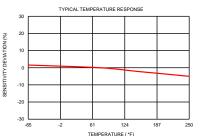
Accessories

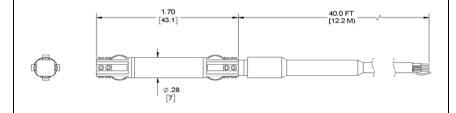
1) Accredited calibration certificate (ISO 17025) (Supplied)

Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measured 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.
- [4] Upper frequency response is limited by resonance of mounting springs and body mass.
- [5] Unit slides into Ø.318 min. I.D. tube on springs.







Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3054B for more information.

