

 Model Number
 DOC NO

 3056D1
 PERFORMANCE SPECIFICATIONS
 PS3056D1

 IEPE ACCELEROMETER
 REVE, ECN 12342, 11/17/15



- HERMETICALLY SEALED
- BASE ISOLATED

		ENGLISH		SI	
PHYSICAL			•		_
Weight		0.35	OZ	10	grams
Connector	Type	10-32		10-32	
Mounting Provision	Tapped Hole	10-32 X .150 ↓		10-32 X .150 ↓	
Material, Housing/Connector		Titanium		Titanium	
Sensing Element		Ceramic		Ceramic	
Element Style		Planar Shear		Planar Shear	
PERFORMANCE					
Sensitivity, ±5% [1]		10	mV/G	1.0	mV/m/s ²
Range for ± 5 Volts Output		500	G peak	4905	m/s ²
Frequency Response, ±10%		1 to 10,000	Hz	1 to 10,000	Hz
Resonant Frequency		> 36	kHz	> 36	kHz
Broad Band Resolution		0.0040	G rms	0.0392	m/s ² rms
Linearity [2]		±1	% F.S.	±1	% F.S.
Maximum Transverse Sensit	tivity	5	%	5	%
Strain Sensitivity @ 250με		0.001	G/με	0.01	m/s²/με
ENVIRONMENTAL					
Maximum Vibration		600	G peak	5886	m/s² peak
Maximum Shock		3000	G peak	29430	m/s² peak
Temperature Range		-67 to 250	°F	-55 to 121	°C
Seal		HERMETIC		HERMETIC	
ELECTRICAL					
Supply Current Range [3]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+18 to +30	Volts	+18 to +30	Volts
Output Impedence,Typ		100	Ω	100	Ω
Bias Voltage			VDC	+9 to +13	VDC
Discharge Time Constant		.5 to 1.5	Sec	.5 to 1.5	Sec

10

 $G\Omega$,min

10

This family also includes:							
Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)			
3056D2	100	1 to 10000	0.5 to 1.5	-67 to +250			
3056D3	500	1 to 10000	0.5 to 1.5	-67 to +225			
3056D4	20	1 to 10000	0.5 to 1.5	-67 to +250			
3056D5	50	1 to 10000	0.5 to 1.5	-67 to +250			
3056D6	200	1 to 10000	0.5 to 1.5	-67 to +225			
3056D7	1	1 to 10000	0.5 to 1.5	-67 to +250			
3056D8	5	1 to 10000	0.5 to 1.5	-67 to +250			

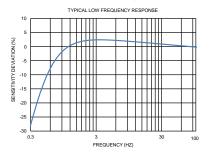
Refer to the performance specifications of the products in this family for detailed description

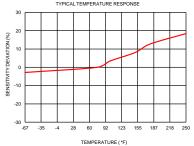
Supplied Accessories:

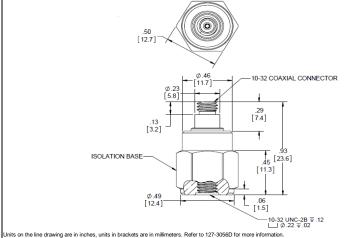
1) Accredited calibration certificate (ISO 17025)

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] In the interest of constant product improvement, we reserve the right to change specifications without notice.









Electrical Isolation

 $G\Omega$,min