

- GROUND ISOLATED
- HERMETICALLY SEALED
- STUD MOUNT
- TEDS FUNCTION

PHYSICAL

Weight, Max
 Mounting
 Connector [1]
 Type
 Material
 Housing
 Material
 Isolation
 Sensing Element
 Material
 Element

	ENGLISH		SI	
Weight, Max	0.5	oz	15	grams
Mounting	10-32 Stud Mount		10-32 Stud Mount	
Connector [1]	4-pin		4-pin	
Type	Titanium		Titanium	
Material	Titanium		Titanium	
Isolation	Case Isolated		Case Isolated	
Sensing Element	Piezoelectric		Piezoelectric	
Material	Shear		Shear	

PERFORMANCE

Sensitivity, ±5% [2]
 Acceleration Range, ±
 Frequency Range, ±5%
 Frequency Range, ±15%
 Frequency Range, ±3dB
 Resonance Frequency
 Linearity [3]
 Transverse Sensitivity, Max
 Noise floor
 Spectral Noise
 1Hz
 10Hz
 100Hz
 1000Hz
 10000Hz

	ENGLISH		SI	
Sensitivity, ±5% [2]	10	mV/g	1.02	mV/m/s ²
Acceleration Range, ±	500	Gpeak	4905	m/s ² peak
Frequency Range, ±5%	3.3-3000	Hz	3.3-3000	Hz
Frequency Range, ±15%	2.2-5000	Hz	2.2-5000	Hz
Frequency Range, ±3dB	1.1-10000	Hz	1.1-10000	Hz
Resonance Frequency	>25	kHz	>25	kHz
Linearity [3]	1	%F.S.	1	%F.S.
Transverse Sensitivity, Max	6	%	6	%
Noise floor	0.007	Grms	0.069	m/s ² rms
Spectral Noise	1000	μGrms/sqr(Hz)	9810	μm/s ² rms/sqr(Hz)
10Hz	500	μGrms/sqr(Hz)	4905	μm/s ² rms/sqr(Hz)
100Hz	100	μGrms/sqr(Hz)	981	μm/s ² rms/sqr(Hz)
1000Hz	60	μGrms/sqr(Hz)	589	μm/s ² rms/sqr(Hz)
10000Hz	50	μGrms/sqr(Hz)	491	μm/s ² rms/sqr(Hz)

ELECTRICAL

Supply Current Range [4]
 Compliance Voltage Range
 Output Impedance, Typ.
 Output Bias Voltage
 Discharge Time Constant

	ENGLISH		SI	
Supply Current Range [4]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	+18 to +30	VDC	+18 to +30	VDC
Output Impedance, Typ.	100	Ω	100	Ω
Output Bias Voltage	+7 to +11	VDC	+7 to +11	VDC
Discharge Time Constant	0.15 to 0.25	sec	0.15 to 0.25	sec

ENVIRONMENTAL

Shock Max
 Vibration Max
 Operating Temperature
 Seal
 Base Strain Sensitivity

	ENGLISH		SI	
Shock Max	5000	g pk	49050	m/s ²
Vibration Max	1500	g pk	14715	m/s ²
Operating Temperature	-60 to +320	°F	-51 to +160	°C
Seal	Hermetic		Hermetic	
Base Strain Sensitivity	0.002	g/με	0.02	m/s ² /με

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Noise Resolution (Grms)	Temp Range (°F)	Time Constant (sec)

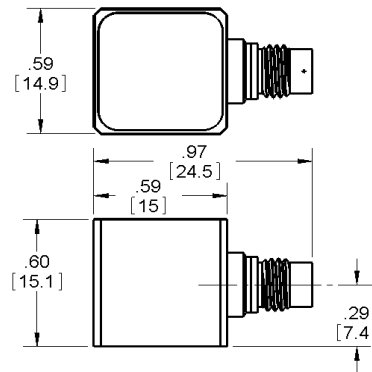
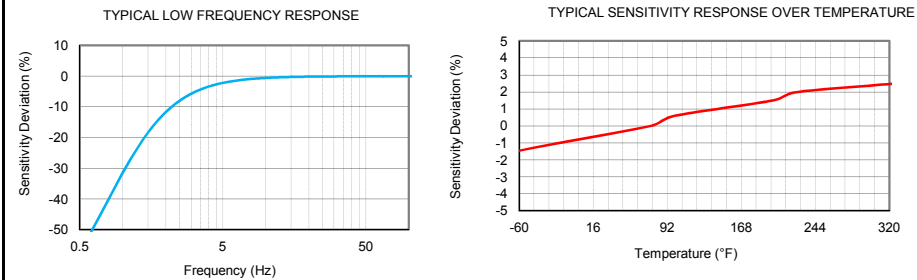
Please refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025).
- 2) Mounting stud model 6200, (10-32 to 10-32).

Notes:

- [1] Glass to Metal Seal connector. Mates with Dytran cable Model 6811AXX (XX=length in feet).
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2.
- [3] Measured using zero-based best straight-line method.
- [4] Do not apply power to this device without current limiting, 20mA Max, to do so will destroy the integral IC amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3093M27 for more information.

