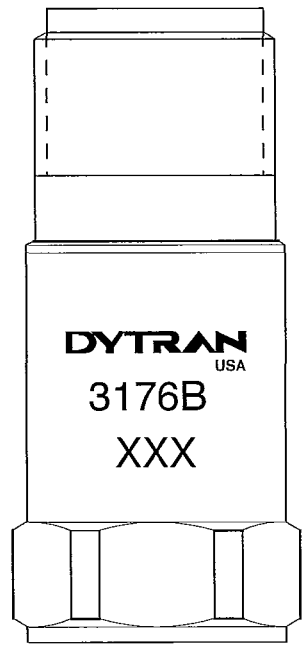
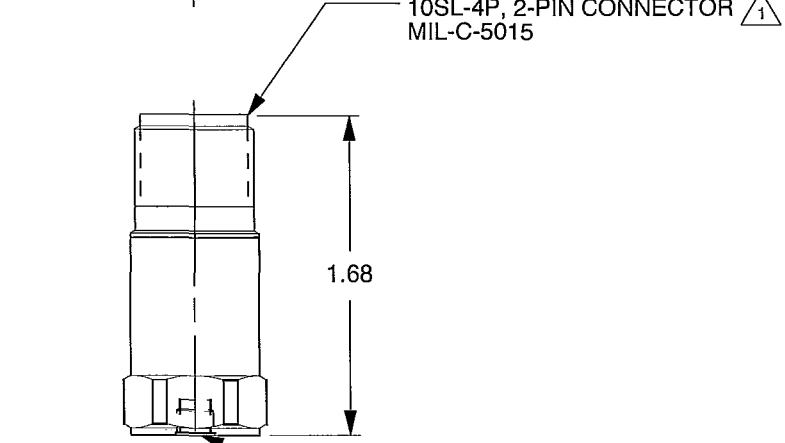
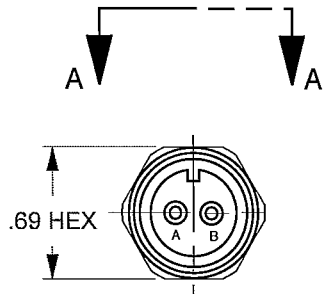
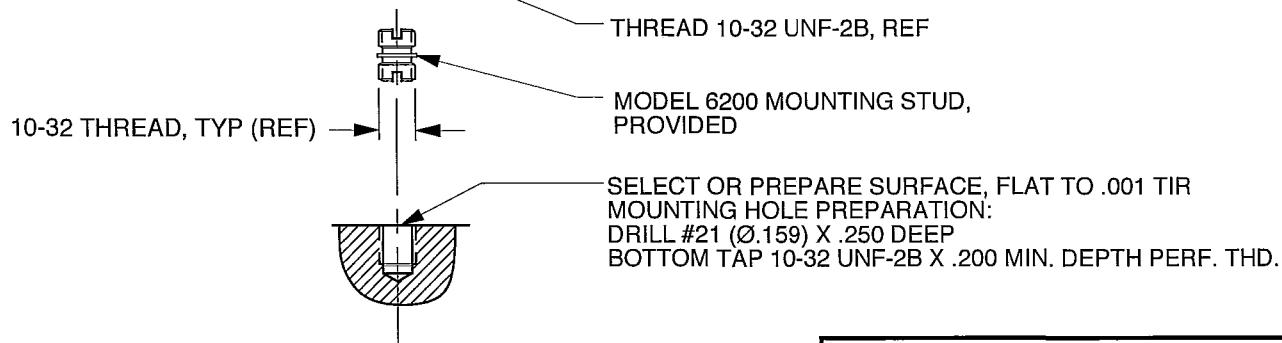


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	8231	ADDED MARKING VIEW A-A ROTATED 180° CW	RLA 01/12/12	LN	<i>[Signature]</i>



VIEW A-A
ROTATED
180° CW



PINOUT: A- SIGNAL
B- GROUND RETURN

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
TOLERANCE: .XXX ± .XX ±

SURFACE FINISH ✓
EXCEPT AS NOTED

BREAK EDGES TO DEBURR
RADIUS OR CHAMFER

THESE DIAS TO T.I.R.

FILLETS - MAX RAD.

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	1X	REV	-	DATE	SEE REV BLK
DATE	5/2/02	PART NO.	MODEL 3176B		
DRAWN	N.C.	CHECKED	R.A.		
APPROVED	PML	09/23/05	NEXT ASSEMBLY	USED ON	
TITLE			DWG NO.		
OUTLINE/INSTALLATION DRAWING, MODEL 3176B			127-3176B		
			SHEET 1 OF 1		

Model Number 3176B	PERFORMANCE SPECIFICATION	DOC NO PS3176B
	IEPE ACCELEROMETER	REV B, EGN 15846, 03/24/20



- HIGH SENSITIVITY
- ELECTRICALLY ISOLATED
- HERMETICALLY SEALED

PHYSICAL
 Weight, Max. Connector
 Mounting Provision
 Material (Case/Connector)
 Element Type

ENGLISH		SI	
1.6	oz	44	grams
MIL-C-5015	2-PIN	MIL-C-5015	2-PIN
Tapped 10-32 Hole		Tapped 10-32 Hole	
300 Series S.S.		300 Series S.S.	
Piezoceramic, Planar Shear		Piezoceramic, Planar Shear	

PERFORMANCE
 Sensitivity, ±5% [1]
 Range F.S for ± 5 Volts Output
 Frequency Response, ±10%
 Mounted Resonant Frequency
 Equivalent Electrical Noise Floor
 Amplitude Non-Linearity, Max. [2]
 Maximum Transverse Sensitivity
 Strain Sensitivity @ 250/μσ

100	mV/g	10.2	mV/m/s ²
±50	g	±490.5	m/s ²
0.3 to 10,000	Hz	0.3 to 10,000	Hz
> 27	kHz	> 27	kHz
0.0005	Grms	0.005	m/s ² rms
±2	% F.S.	±2	% F.S.
5	%	5	%
0.0001	g/με	0.001	m/s ² /με

ENVIRONMENTAL
 Maximum Vibration
 Maximum Shock
 Temperature Range
 Seal

500	G's, peak	4905	m/s ² peak
5000	G's, peak	49050	m/s ² peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

ELECTRICAL
 Supply Current Range [3]
 Compliance Voltage Range
 Output Impedance, Typ.
 Output Bias Voltage
 Discharge Time Constant
 Output Signal Polarity
 Electrical Isolation, Ground Pin to Case

2 to 20	mA	2 to 20	mA
+20 to +30	Volts	+20 to +30	Volts
200	Ω	200	Ω
+11 to +13	VDC	+11 to +13	VDC
0.9 to 2.0	Sec	0.9 to 2.0	Sec
Positive for Acceleration Toward Top		Positive for Acceleration Toward Top	
10	GΩ, min	10	GΩ, min

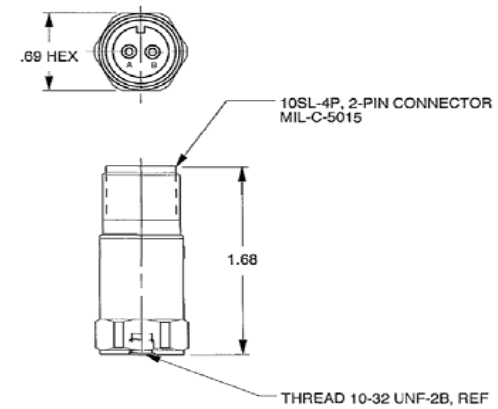
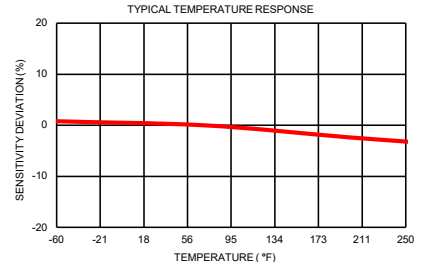
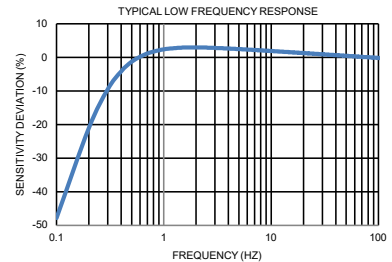
This family also includes:

Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock	Resonant Frequency

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 6200S, 10-32 to 10-32

- Notes:**
 [1] Measured 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.
 [4] It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3176B for more information.



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