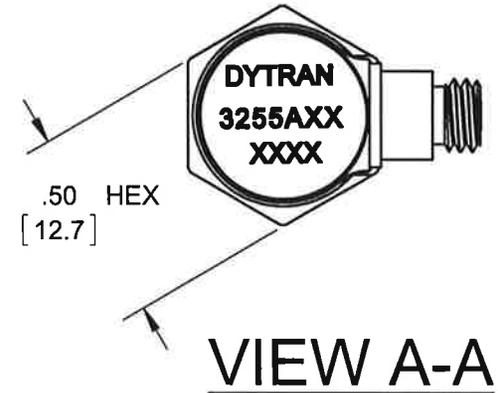
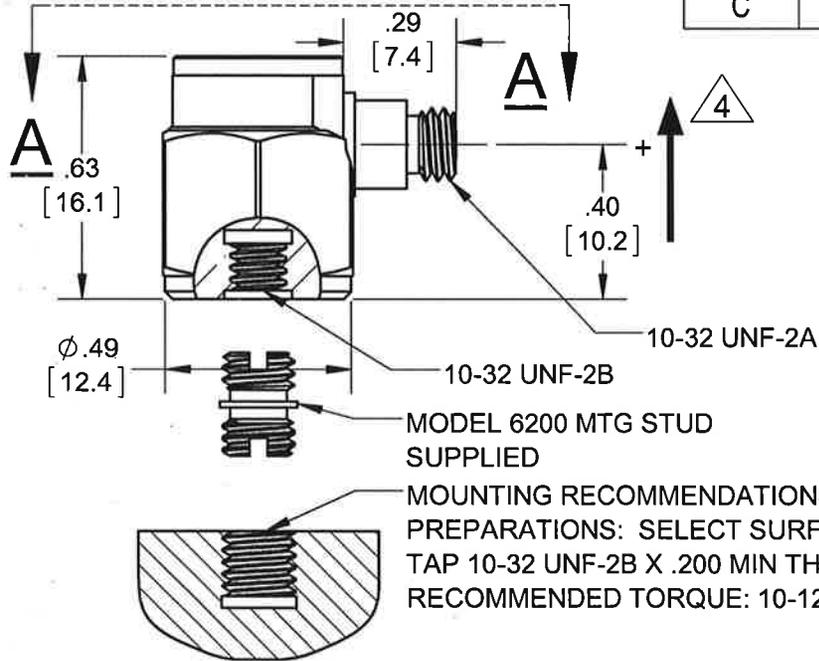


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	8293	SEE ECN	LN, 02/13/12	RA	DV
C	11862	REDESIGN WITH CHANGES	RA, 07/16/15	EM	LN



MODEL 6200 MTG STUD SUPPLIED
 MOUNTING RECOMMENDATIONS:
 PREPARATIONS: SELECT SURFACE FLAT TO .001 TIR
 TAP 10-32 UNF-2B X .200 MIN THD DEPTH.
 RECOMMENDED TORQUE: 10-12 LB-IN

MODEL	SENSITIVITY
3255A1	10 mV/g
3255A2	100 mV/g
3255A3	500 mV/g
3255A4	50 mV/g
3255A5	20 mV/g
3255A6	200 mV/g

4. ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

3. OPERATING TEMPERATURE -60 °F (-51 °C) TO 225 °F (107 °C).

2. HOUSING MATERIAL: TITANIUM

1. MAX WEIGHT: 10 GRAMS

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED:
 INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
 REMOVE BURRS.
 COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
 CHAM EXT THDS 45° TO MINOR DIA.
 THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
 THDS PER MIL-S-7742.
 DIMENSIONS APPLY AFTER FINISHING.

63
 ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005.
 BREAK SHARP EDGES .005 TO .010.
 MACHINED FILLET RADII .005 TO .015.
 WELDING SYMBOLS PER AWS A2.4.
 ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
 TOLERANCES ARE:
 INCHES METRIC ANGLES
 .XX ± .03 .X ± 0.8 ± 1°
 .XXX ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.



TITLE:
**OUTLINE/INSTALLATION, DRAWING,
 3255A SERIES ACCEL**

APPROVALS		DATE
ORIG	JS	02/05/07
CHK	CES	02/09/07
APP	CES	02/09/07
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3255A	C
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

Model Number 3255A3	PERFORMANCE SPECIFICATIONS	DOC NO PS3255A3
IEPE ACCELEROMETER		REV E, ECN 11862, 07/24/15



- HERMETICALLY SEALED
- IDEAL LOW FREQUENCY RESPONSE

PHYSICAL

Weight, Max
Connector
Mounting Provision
Material, Housing/Connector
Sensing Element
Element Style

ENGLISH		SI	
0.35	oz	10	grams
10-32		10-32	
10-32 X .150 ↓		10-32 X .150 ↓	
Titanium		Titanium	
Ceramic		Ceramic	
Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity, ± 5% [1]
Range for ± 5 Volts Output
Frequency Response, ± 5%
Resonant Frequency
Broad Band Resolution
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250µε

500	mV/g	51	mV/m/s ²
± 10	g	± 98.1	m/s ²
1 to 10000	Hz	1 to 10000	Hz
> 36	kHz	> 36	kHz
0.0004	Grms	0.004	m/s ² rms
± 1	% F.S.	± 1	% F.S.
5	%	5	%
0.002	g/µε	0.02	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

200	Gpeak	1962	m/s ² peak
1000	Gpeak	9810	m/s ² peak
-60 to +225	*F	-51 to +107	*C
Hermetic		Hermetic	

ELECTRICAL

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

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+11 to +13	VDC	+11 to +13	VDC
0.5 to 1.5	Sec	0.5 to 1.5	Sec

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response, ±5 % (Hz)	Time Constant (Sec)	Operating Temp (*F)
3255A1	10	1 to 10000	0.5 to 1.5	-60 to +250
3255A2	100	1 to 10000	0.5 to 1.5	-60 to +250
3255A4	50	1 to 10000	0.5 to 1.5	-60 to +250
3255A5	20	1 to 10000	0.5 to 1.5	-60 to +250
3255A6	200	1 to 10000	0.5 to 1.5	-60 to +225

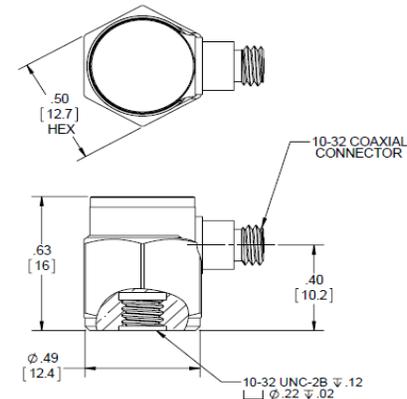
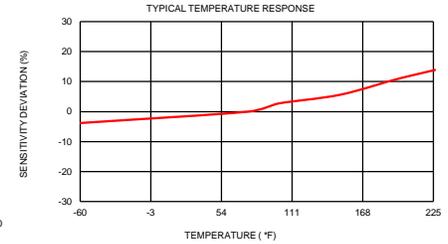
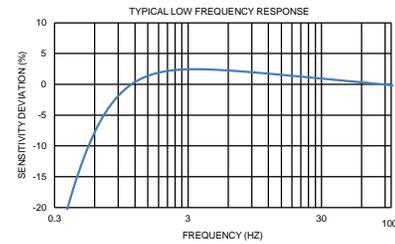
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200 mounting stud, qty 1

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



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3255A for more information.



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