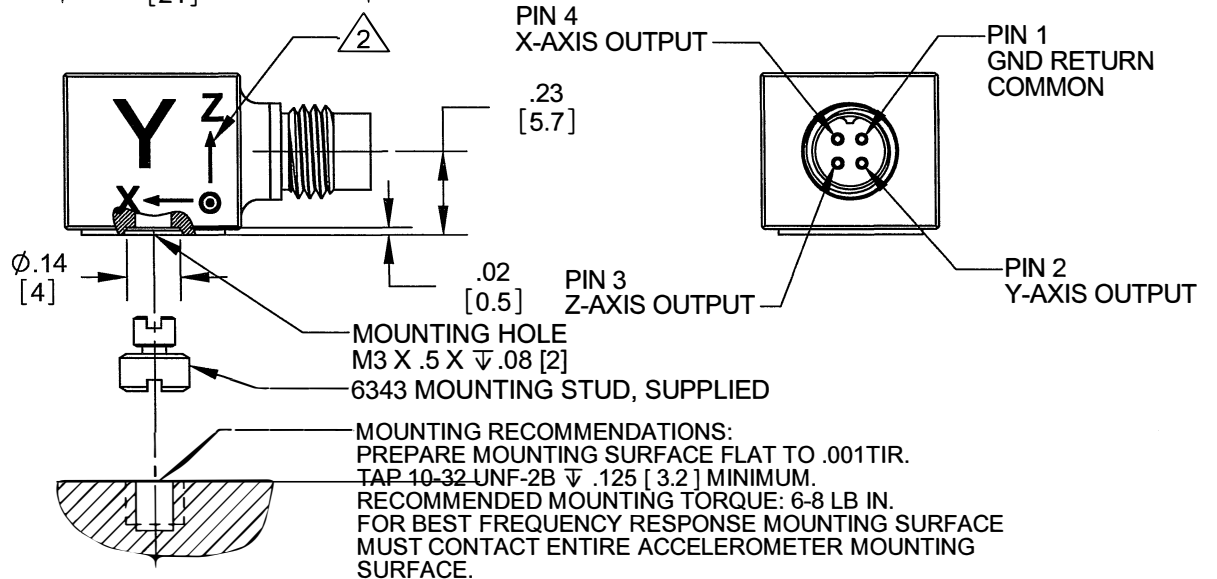
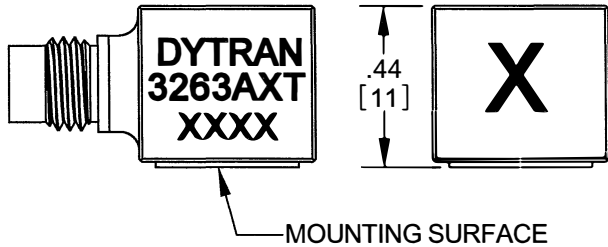
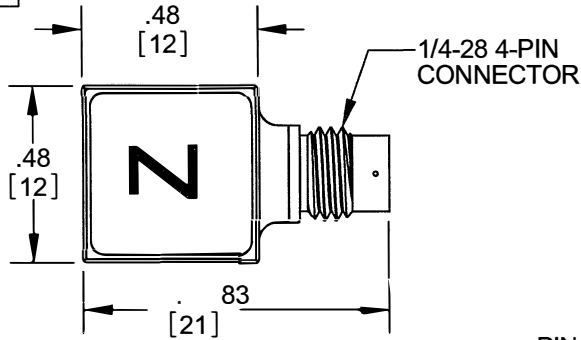


PROPRIETARY AND CONFIDENTIAL

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REVISIONS				
REV.	ECN	DESCRIPTION	BY/DATE	CHK APPR
A	8817	INITIAL RELEASE	JS 06/29/12	<i>JS</i> <i>PK</i>

MODEL	SENSITIVITY
3263A7T	10 mV/g
3263A8T	100 mV/g



4. MATES WITH DYTRAN MODEL 6811AXX (XX = LENGTH IN FEET)
3. WEIGHT: 5.6 GRAMS MAX
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. HOUSING MATERIAL: TITANIUM ALLOY

MOUNTING RECOMMENDATIONS:
 PREPARE MOUNTING SURFACE FLAT TO .001TIR.
 TAP 10-32 UNF-2B ∇ .125 [3.2] MINIMUM.
 RECOMMENDED MOUNTING TORQUE: 6-8 LB IN.
 FOR BEST FREQUENCY RESPONSE MOUNTING SURFACE MUST CONTACT ENTIRE ACCELEROMETER MOUNTING SURFACE.

NOTES: UNLESS OTHERWISE SPECIFIED.

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.
 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 ± 0.10 .XX ± 0.25

MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.	
APPROVALS	
ORIG	DATE
CHK	6/29/12
APP	7/2/12
APP	

MASTER ONLY IF IN RED

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DRAWING, 3263A7T**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3263A7T	A
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

Model Number 3263A7T	PERFORMANCE SPECIFICATIONS	DOC NO PS3263A7T
IEPE ACCELEROMETER		REV A, ECN 8817, 07/02/2012



- TRIAXIAL ACCELEROMETER
- HERMETICALLY SEALED
- WITH TEDS FUNCTION

This family also includes:

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

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

Supplied Accessories:

- a) Model 6343 mounted stud M3 to 10-32

Notes:

- [2] 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.
 [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
 [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.

Weight
 Connector [1]
 Mounting Provision
 Material, Housing/Connector
 Sensing Element
 Element Style

ENGLISH		SI	
0.19	oz	5.5	grams
4-Pin		4-Pin	
M3 X 0.5		M3 X 0.5	
Titanium		Titanium	
Ceramic		Ceramic	
Shear		Shear	

PERFORMANCE

	ENGLISH	SI
Sensitivity, ±10% [2]	10 mV/g	1.0 mV/m/s ²
Range F.S. for ± 5 Volts Output	± 500 g	± 4900 m/s ²
Frequency Response, -5/+15%	1.5 to 10000 Hz	1.5 to 10000 Hz
Resonant Frequency	> 45 kHz	> 45 kHz
Linearity Max [3]	± 1% %F.S	± 1% %F.S
Transverse Sensitivity, Max	5%	5%
Equivalent Electrical Noise Floor	0.0095 g rms	0.093 m/s ² rms
Spectral Noise	1Hz: 0.001 Grms/v(Hz)	0.0098 m/s ² rms/v(Hz)
	10Hz: 0.0005 Grms/v(Hz)	0.0049 m/s ² rms/v(Hz)
	100Hz: 0.0001 Grms/v(Hz)	0.00098 m/s ² rms/v(Hz)
	1000Hz: 0.0001 Grms/v(Hz)	0.00098 m/s ² rms/v(Hz)
	10000Hz: 0.00005 Grms/v(Hz)	0.00049 m/s ² rms/v(Hz)

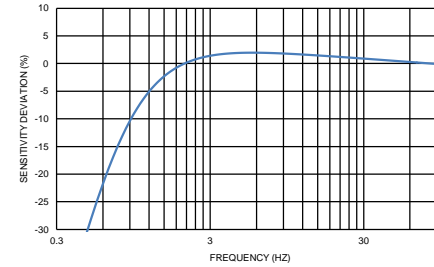
ENVIRONMENTAL

	ENGLISH	SI
Maximum Vibration	600 ±Gpeak	5886 ±m/s ² peak
Maximum Shock	5000 ±Gpeak	49050 ±m/s ² peak
Temperature Range	-60 to +180 °F	-51 to +82 °C
Seal	Hermetic	Hermetic

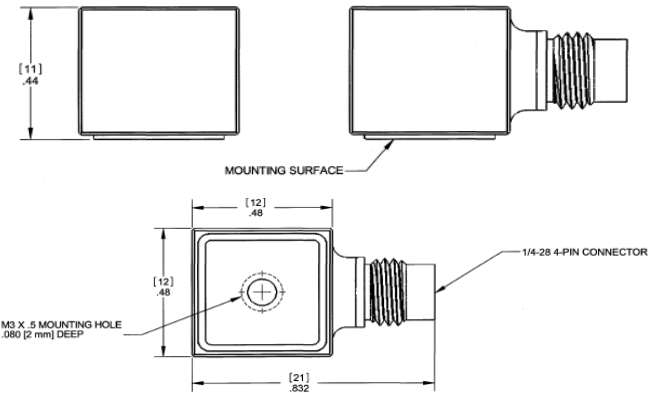
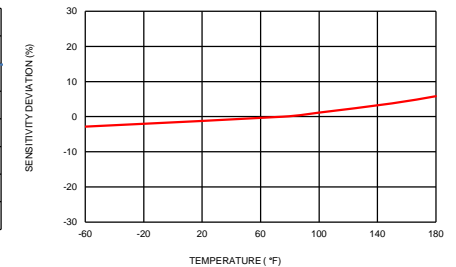
ELECTRICAL

	ENGLISH	SI
Supply Current Range [4]	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	+11 to +13 VDC	+11 to +13 VDC
Discharge Time Constant	0.3 to 1.2 Sec	0.3 to 1.2 Sec
IEPE Sensor with TEDS feature	IEEE 1451.4	IEEE 1451.4

TYPICAL LOW FREQUENCY RESPONSE



TYPICAL TEMPERATURE RESPONSE



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3263A7T for more information.



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