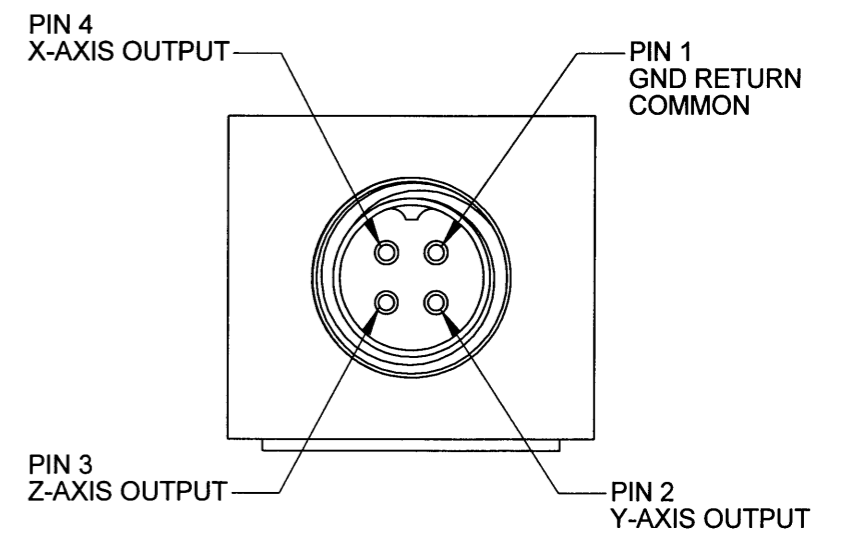
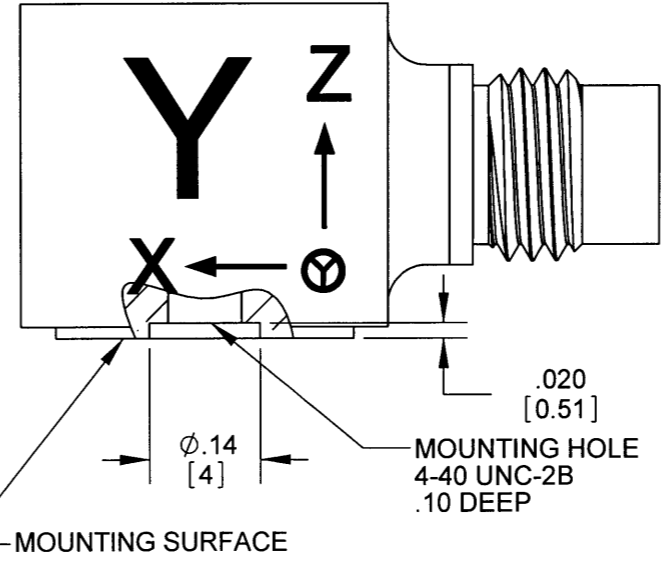
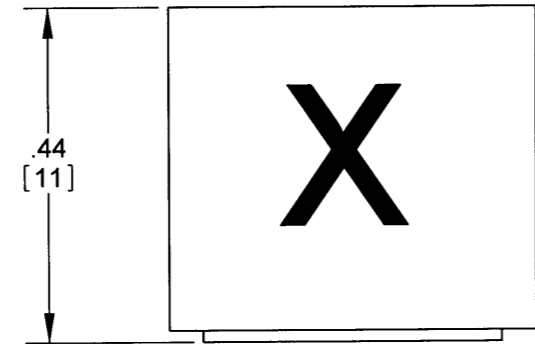
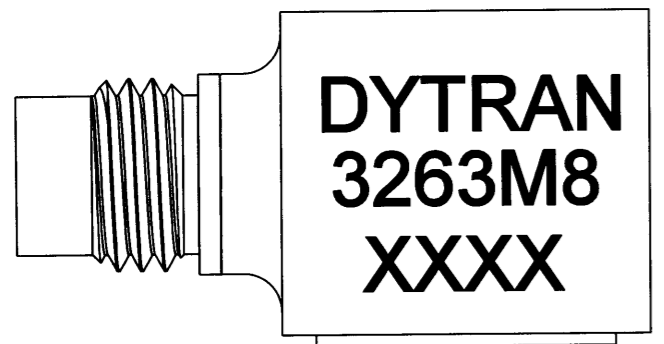
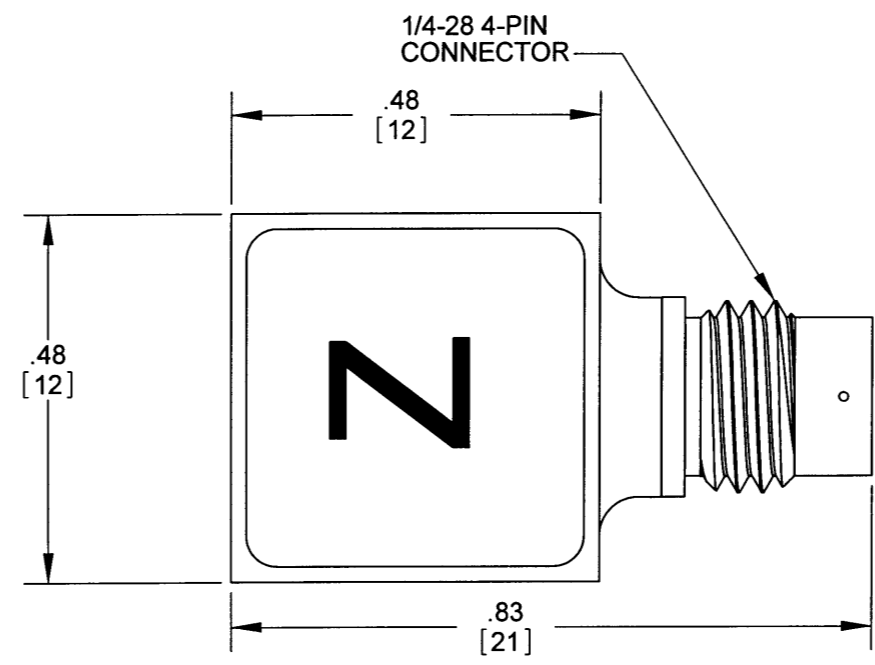


| REVISIONS | | | | | |
|-----------|------|-----------------|----------------|-----|------|
| REV. | ECN | DESCRIPTION | BY/DATE | CHK | APPR |
| A | 5319 | INITIAL RELEASE | DV 06/26/08 | RA | DV |



4. DIMENSIONS ARE IN INCHES [mm]
3. WEIGHT: 5.6 GRAMS NOMINAL
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. HOUSING MATERIAL: TITANIUM ALLOY

| DRILL HOLE SIZE | TOLERANCE |
|------------------|-----------------|
| .0135 THRU .125 | + .004 / - .001 |
| .1260 THRU .250 | + .005 / - .001 |
| .2510 THRU .500 | + .006 / - .001 |
| .5010 THRU .750 | + .008 / - .001 |
| .7510 THRU 1.000 | + .010 / - .001 |
| 1.001 THRU 2.000 | + .012 / - .001 |

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

THIRD ANGLE PROJECTION
 USA

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. TOLERANCES ARE:

| | |
|-------------------------------------|----------------|
| DECIMALS XX ± .010 XXX ± .005 | ANGLES ± 1° |
|-------------------------------------|----------------|

CONTRACT NO.

| APPROVALS | DATE |
|-----------|----------|
| ORIG DV | 06/26/08 |
| CHK RA | 7/17/08 |
| APP DV | 7/18/08 |
| APP | |

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

DYTRAN INSTRUMENTS, INC. **MASTER** Chatsworth, CA **ONLY IF IN RED**

TITLE:
**OUTLINE/INSTALLATION DRAWING,
 MODEL 3263M8 ACCELEROMETER**

| | | | |
|------------------|---------------------------|-----------------------------|-----------------|
| SIZE B | CAGE CODE 2W033 | DWG NO 127-3263M8 | REV A |
|------------------|---------------------------|-----------------------------|-----------------|

SCALE: 4:1 SOLIDWORKS SHEET 1 of 1

| | | |
|--------------------------------------|-------------------------------------|-----------------------------------|
| MODEL NUMBER 3263M8 | PERFORMANCE SPECIFICATION | DOC NO. PS3263M8 |
| | TRIAxIAL ACCELEROMETER, IEPE | REV B, ECN 7785, 08/18/11 |



ACTUAL SIZE

- TRIAXIAL ACCELEROMETER
- HIGH SENSITIVITY
- MINATURE SIZE

PHYSICAL

Weight
Mounting, Integral Thread
Connector [1]
Material Body
Sensing Element

| | ENGLISH | | SI | |
|----------|-------------|----|-------------|-------|
| Type | 0.2 | oz | 5.6 | grams |
| Material | 4-40 UNC-2B | | 4-40 UNC-2B | |
| Mode | 4 PIN | | 4 PIN | |
| | Titanium | | Titanium | |
| | Ceramic | | Ceramic | |
| | Shear | | Shear | |

PERFORMANCE

Sensitivity +/- 10% [2]
Range F.S. For ± 5 Volts Output
Frequency Response, - 10% to + 15%
Resonant Frequency, NOM
Phase Response, ± 5°
Linearity Max [3]
Transverse Sensitivity, Max.
Equivalent Electrical Noise Floor
Spectral Noise

| | ENGLISH | | SI | |
|------------------------------------|--------------|-------|--------------|-------------------------------|
| Sensitivity +/- 10% [2] | 100 | mV/g | 10.2 | mV/ m/s ² |
| Range F.S. For ± 5 Volts Output | ± 50 | g | ± 490 | m/s ² |
| Frequency Response, - 10% to + 15% | 0.3 to 10000 | Hz | 0.3 to 10000 | Hz |
| Resonant Frequency, NOM | >40 | KHz | >40 | KHz |
| Phase Response, ± 5° | 1 to 3000 | Hz | 1 to 3000 | Hz |
| Linearity Max [3] | ± 1% | %F.S | ± 1% | %F.S |
| Transverse Sensitivity, Max. | 6% | | 6% | |
| Equivalent Electrical Noise Floor | 0.0008 | g rms | 0.008 | m/s ² rms |
| Spectral Noise | 1Hz | 100 | 981 | μm/s ² rms/sqr(Hz) |
| | 10Hz | 50 | 491 | μm/s ² rms/sqr(Hz) |
| | 100Hz | 10 | 98 | μm/s ² rms/sqr(Hz) |
| | 1000Hz | 10 | 98 | μm/s ² rms/sqr(Hz) |
| | 10000Hz | 5 | 49 | μm/s ² rms/sqr(Hz) |

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

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

ELECTRICAL

Supply Current [4]
Compliance Voltage Range
Output Impedance TYP
Bias Voltage
Discharge Time Constant

| | ENGLISH | | SI | |
|--------------------------|------------|-----|------------|-----|
| Supply Current [4] | 2 to 20 | mA | 2 to 20 | mA |
| Compliance Voltage Range | +18 to +30 | V | +18 to +30 | V |
| Output Impedance TYP | 150 | Ω | 150 | Ω |
| Bias Voltage | +11 to +13 | VDC | +11 to +13 | VDC |
| Discharge Time Constant | 1.0 to 2.0 | sec | 1.0 to 2.0 | sec |

This family also includes:

| Model | Sensitivity (mV/g) | Range (Gpeak) | Resolution (Grms) | Oper. Temp(°F) | TC |
|-------|--------------------|---------------|-------------------|----------------|----|
| | | | | | |
| | | | | | |

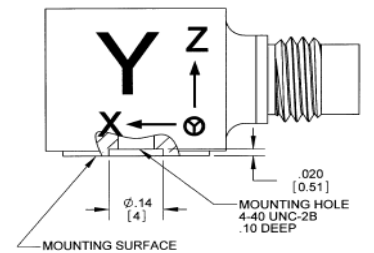
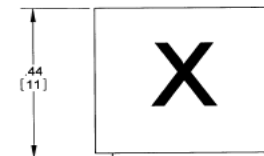
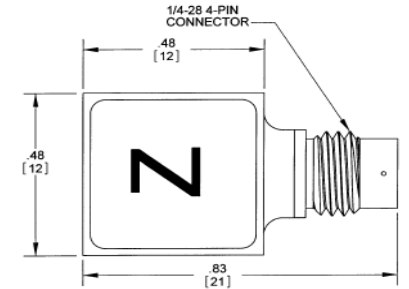
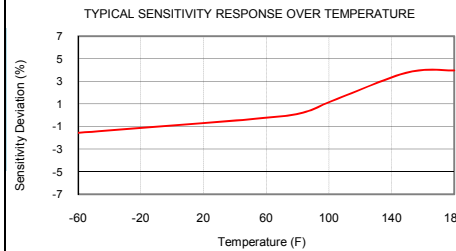
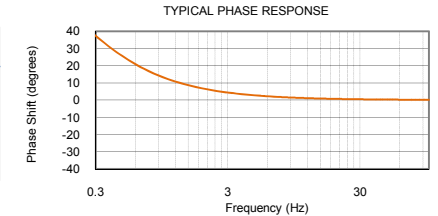
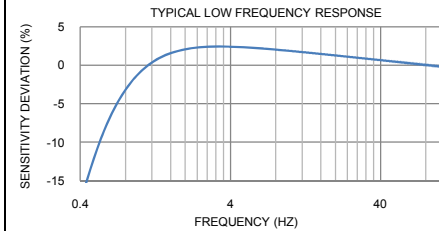
Please, refer to the performance specifications of the products in this family for detailed description.

SUPPLIED ACCESSORIES

a) Model 6307 mounted stud 4-40 to 10-32.

Notes:

- [1] Connector mates with Dytran cable assembly 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, % of F.S. or any lesser range.
- [4] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.
- [5] 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 127-3263M8 for more information.

