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**REVISIONS**

<table>
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<th>REV</th>
<th>ECN</th>
<th>DESCRIPTION</th>
<th>BY/DATE</th>
<th>CHK</th>
<th>APPR</th>
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</thead>
<tbody>
<tr>
<td>C</td>
<td>13192</td>
<td>NOTE 6: IS...DYTRAN 6967AXX, WAS...DYTRAN 6811AXX</td>
<td>EM 12/21/16</td>
<td>W</td>
<td>A5</td>
</tr>
</tbody>
</table>

**NOTE 6:**

- **MODEL 6824AXX**
  - MOUNTING SURFACE: Ø.35
  - THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
  - THDS PER MIL-STD-7742.
  - DIMENSIONS APPLY AFTER FINISHING.
  - TOTAL RUNOUT WITHIN .005.
  - BREAK SHARP EDGES: 0.05 TO 0.10.
  - MACHINED FILLET RADIUS: 0.05 TO 0.15.
  - WELDING SYMBOLS PER AWS A2.4.
  - ABBREVIATIONS PER MIL-STD-3.

**MOUNTING RECOMMENDATIONS:**

- PREPARE SURFACE AT LEAST Ø.45 [14.4]
- SURFACE FLATNESS MUST BE EQUAL OR BETTER THAN .001 TIR.
- TAP 10-32 UNF-2B X .120 [3] MIN

**NOTES:**

- REMOVE BURRS.
- COUNTERSINK INTERNAL THDS.
- 90° TO MAJOR DIA.
- CHAM EXT THDS 45° TO MINOR DIA.
- DIMENSIONS ARE IN INCHES.
- DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
- TOLERANCES ARE:
  - INCHES: ±0.003
  - MILLIMETERS: ±0.008
  - Ø: ±0.030
  - ±0.005
  - ±0.025

**APPENDIX A:**

- MODEL 6800 MTG STUD PROVIDED

**DRAWING:**

- THIRD ANGLE PROJECTION
- USA
- 172-0081, REV C

**OUTLINE/INSTALLATION DRAWING, 3313A SERIES**

- SIZE: 2W033
- DWG. NO.: 127-3313A
- REV: C
- SCALE: 2:1
- SOLIDWORKS
- SHEET 1 OF 1

**MATERIAL:**

- TITANIUM ALLOY

**APPLICATION:**

- REMOVE BURRS.
- COUNTERSINK INTERNAL THDS.
- 90° TO MAJOR DIA.
- CHAM EXT THDS 45° TO MINOR DIA.
- DIMENSIONS ARE IN INCHES.
- DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
- TOLERANCES ARE:
  - INCHES: ±0.003
  - MILLIMETERS: ±0.008
  - Ø: ±0.030
  - ±0.005
  - ±0.025

**APPROVALS:**

- CONTRACT NO.
- TITLE:

**OUTLINE/INSTALLATION DRAWING, 3313A SERIES**

- SIZE: 2W033
- DWG. NO.: 127-3313A
- REV: C
- SCALE: 2:1
- SOLIDWORKS
- SHEET 1 OF 1
**Model Number:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Doc No</th>
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<tbody>
<tr>
<td>3313A3H</td>
<td>PS3313A3H</td>
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</table>

**TRIAXIAL IEPE ACCELEROMETER**

This family also includes:

- **Weight Only 4 Grams**
- **Excellent Linearity**
- **Temperature Stability**
- **Hermetically Sealed**

### PHYSICAL

<table>
<thead>
<tr>
<th>Weight</th>
<th>0.14 oz</th>
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</thead>
<tbody>
<tr>
<td>Connector</td>
<td>1/4-28. 4 - Pin</td>
</tr>
<tr>
<td>Mounting Provision</td>
<td>Tapped Hole</td>
</tr>
<tr>
<td>Material</td>
<td>Housing / Connector</td>
</tr>
<tr>
<td>Element Style</td>
<td>Quartz Planar Shear</td>
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</tbody>
</table>

### PERFORMANCE

#### Sensitivity, ±10% [1]

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity (mV/g)</th>
<th>Range F.S (g)</th>
<th>Time Constant (sec)</th>
<th>Operating Temperature (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3313A1H</td>
<td>1</td>
<td>±500</td>
<td>0.2 to 1.0</td>
<td>-60 to +325</td>
</tr>
<tr>
<td>3313A2H</td>
<td>5</td>
<td>±1000</td>
<td>0.2 to 1.0</td>
<td>-60 to +325</td>
</tr>
</tbody>
</table>

Please, 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

**Notes:**

1. Measure 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. For motion in direction of arrows on housing.
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.
6. Mates with Dytran 6967AXX (XX = Length in feet)

### ENVIRONMENTAL

- **Maximum Vibration** | ±600 g/peak |
- **Maximum Shock** | ±5000 g/peak |
- **Temperature Range** | -60 to +325 °F, -51 to +162 °C |
- **Seal** | Hermetic |
- **Base Strain** | 0.008 g/με |

### ELECTRICAL

- **Supply Current Range** | 2 to 20 mA |
- **Compliance (Supply) Voltage Range** | +18 to +30 Volts |
- **Output Impedence,Typ** | 150 Ω |
- **Bias Voltage** | +7 to +9 V DC |
- **Discharge Time Constant, Nom** | 0.2 to 1.0 Sec |
- **Ground Isolation** | Case Ground |

**Units on the line drawing are in inches. Refer to 127-3313AH for more information.**

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