1. WEIGHT: 13 GRAMS MAX

NOTES: UNLESS OTHERWISE SPECIFIED

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

DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
TOLERANCES ARE:
INCHES METRIC ANGLES
XX ± 0.8  X ± 0.8  1°
XX ± 0.10  XX ± 0.25

MOUNTING RECOMMENDATION:
TAP 10-32 UNF-2B D.15 [3.8] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

REVISIONS

<table>
<thead>
<tr>
<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>D</td>
<td>15602</td>
<td>REVISED RECOMMENDED ACCESSORIES</td>
<td>KG</td>
<td>DP</td>
<td>LN</td>
</tr>
<tr>
<td>E</td>
<td>15719</td>
<td>REVISED TOP COVER MARKINGS</td>
<td>KG</td>
<td></td>
<td>AM</td>
</tr>
</tbody>
</table>

REVISED RECOMMENDED ACCESSORIES

10. TRIAXIAL MOUNTING PLATE MODEL 6460 AVAILABLE

APPLY TORQUE ONLY ON BOTTOM FLATS FOR INSTALLATION & REMOVAL.

U.S. PATENT NUMBER US 8,375,793 APPLIES TO THIS UNIT.

RECOMMENDED CHARGE AMP: DYTRAN MODEL 4753BX & 4754BX

MATES WITH DYTRAN MODEL 60016AXX HARDLINE CABLE & 6979AXX HARDLINE INSULATED CABLE

MAXIMUM OPERATING TEMPERATURE: 1000°F (538°C)

HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: ALLOY X-750

ARROW DESIGNATES DIRECTION OF ACCELERATION FOR NEGATIVE OUTPUT

MOUNTING STUD 6200S (10-32 TO 10-32) SUPPLIED

WEIGHT: 13 GRAMS MAX

DO NOT PUNCTURE

10-32 UNF-2B TAPPED HOLE
### PHYSICAL

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity (pC/g)</th>
<th>Range F.S (G's)</th>
<th>Output Polarity</th>
<th>Temperature (°F)</th>
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</thead>
<tbody>
<tr>
<td>3316D1</td>
<td>1 to 2</td>
<td>[4] to 5000</td>
<td>X- Negative</td>
<td>-60 to +1000</td>
</tr>
<tr>
<td>3316D2</td>
<td>1 to 2</td>
<td>[4] to 5000</td>
<td>Y- Negative</td>
<td>-60 to +1000</td>
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</tbody>
</table>

- **Z-AXIS DIRECTIONAL OUTPUT**
- **BASE ISOLATED**
- **HERMETICALLY SEALED**
- **HIGH TEMPERATURE OPERATION**
- **LOW BASE STRAIN SENSITIVITY**

### ENVIRONMENTAL

<table>
<thead>
<tr>
<th>Maximum Vibration</th>
<th>G, peak</th>
<th>Maximum Shock</th>
<th>G, peak</th>
<th>Temperature Range</th>
<th>°F</th>
<th>Seal</th>
<th>Radiation Exposure Limit (Integrated Neutron Flux)</th>
<th>N/cm²</th>
<th>Radiation Exposure Limit (Integrated Gamma Flux)</th>
<th>rad</th>
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</thead>
<tbody>
<tr>
<td>±6000</td>
<td>±85860</td>
<td>±10000</td>
<td>±98100</td>
<td>-80 to +538</td>
<td></td>
<td>Hermetic</td>
<td>1.0E+10</td>
<td></td>
<td>1.0E+08</td>
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</tbody>
</table>

### PERFORMANCE SPECIFICATION

#### THIS FAMILY ALSO INCLUDES:

- **Model Sensitivity (pC/g)**
- **Range F.S (G's)**
- **Output Polarity**
- **Temperature (°F)**

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

**Supplied Accessories:**

1. Accredited calibration certificate (ISO 17025)
2. Model 6200S mounting stud (10-32 to 10-32), Qty. 1
3. Model 6377 Removal wrench, Qty. 1

**Notes:**

1. Measured at 100Hz, 1 Gms per ISA RP 37.2
2. Measured using zero-based straight line method, % of F.S. or any lesser range.
3. Mates with Dytran cable 60016AXX hardline cable and 6979AXX hardline insulated cable.
4. Low frequency response and phase response are a function of the discharge time constant of the charge amplifier used.
5. In the interest of constant product improvement, we reserve the right to change specifications without notice. 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.
7. This parameter depends on the gain settings of charge amplifier used.
8. U.S. Patent number US 8,375,793 B2 applies to this unit.

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**Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3316C2 for more information.**

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