MATES WITH DYTRAN 6010AXX OR 6011AXXX CABLE (XX=LENGTH IS FEET)
3. WEIGHT: 10 GRAMS (APPROX)
4. ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. MATERIAL: TITANIUM ALLOY
NOTES: UNLESS OTHERWISE SPECIFIED

PROPRIETARY AND CONFIDENTIAL

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MODEL SENSITIVITY
3056D1  10 mV/g
3056D2  100 mV/g
3056D3  500 mV/g
3056D4  20 mV/g
3056D5  50 mV/g
3056D6  200 mV/g
3056D7  1 mV/g
3056D8  5 mV/g

MOUNTING SURFACE HOLE PREPARATION:
SELECT SURFACE FLAT TO .001 TIR
TAP 10-32 UNF-2B X .200 MIN THD DEPTH

ISOLATION BASE

DYTRAN

6200 MTG STUD PROVIDED

10-32 COAXIAL CONNECTOR

VIEW A-A

ROTATED 180° CW

127-3056D

REV.
REV.
ECN
ECN
DESCRIPTION
DESCRIPTION
BY/DATE
BY/DATE
CHK
CHK
APPR
APPR
A
11394
INITIAL RELEASE
RA
11/06/14
EM
DV
B
11943
REVISED MARKING LOCATION, ADDED VIEW A-A
RA
09/09/15
MH
LN
C
11983
3056D7 WAS: 5 mV/g, ADDED: 3056D8
LA
05/28/15
DV
MH
D
14310
ZONE B3 10-32 UNF WAS: 10-32 UNC
RA
06/28/18
M#
### PERFORMANCE SPECIFICATIONS

#### IEPE ACCELEROMETER

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Sensitivity (mV/g)</th>
<th>Frequency Response (Hz)</th>
<th>Time Constant (Sec)</th>
<th>Operating Temp (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>305602</td>
<td>100</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305603</td>
<td>500</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305604</td>
<td>20</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305605</td>
<td>50</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305606</td>
<td>200</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305607</td>
<td>1</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
<tr>
<td>305608</td>
<td>5</td>
<td>1 to 10000</td>
<td>0.5 to 1.5</td>
<td>-67 to +250</td>
</tr>
</tbody>
</table>

**This family also includes:**

- HERMETICALLY SEALED
- BASE ISOLATED

#### PHYSICAL

<table>
<thead>
<tr>
<th>Weight</th>
<th>Connector Type</th>
<th>Mounting Provision</th>
<th>Material, Housing/Connector</th>
<th>Sensing Element</th>
<th>Element Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35 oz</td>
<td>10-32</td>
<td>10-32 X .150</td>
<td>Titanium</td>
<td>Ceramic</td>
<td>Planar Shear</td>
</tr>
</tbody>
</table>

#### PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mV/g</td>
<td>1 to 10,000</td>
<td>1 to 10,000 Hz</td>
<td>&gt; 36 kHz</td>
<td>0.0040 G rms</td>
<td>±1%</td>
<td>±1%</td>
<td>0.001 G/µε</td>
</tr>
</tbody>
</table>

#### ENVIRONMENTAL

<table>
<thead>
<tr>
<th>Maximum Vibration</th>
<th>Maximum Shock</th>
<th>Temperature Range</th>
<th>Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 G peak</td>
<td>3000 G peak</td>
<td>-67 to 250 °F</td>
<td>HERMETIC</td>
</tr>
</tbody>
</table>

#### ELECTRICAL

<table>
<thead>
<tr>
<th>Supply Current Range [3]</th>
<th>Compliance Voltage Range</th>
<th>Output Impedance, Typ</th>
<th>Bias Voltage</th>
<th>Discharge Time Constant</th>
<th>Electrical Isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 to 20 mA</td>
<td>+18 to +30 Volts</td>
<td>100</td>
<td>+9 to +13 VDC</td>
<td>0.5 to 1.5 Sec</td>
<td>10 GΩ, min</td>
</tr>
</tbody>
</table>

### 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. 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.

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

**Supplied Accessories:**

1. Accredited calibration certificate (ISO 17025)
2. Measured 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.