OUTLINE/INSTALLATION DRAWING, 7705A SERIES

1. WEIGHT: 20 GRAMS, MAX.
2. HOUSING/CONNECTOR MATERIAL: TITANIUM ALLOY.
3. MOUNTING STUD, 10-32, MODEL 6200, SUPPLIED.
4. MARKING DENOTES LOCATION OF SENSING ELEMENT'S CENTER OF MASS
5. ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
6. MASSES WITH MODEL 6776AXX 4 PIN TO (2) BNC OR 6895AXX 4 PIN TO CUT OFF CABLE (XX = LENGTH IN FEET).

NOTES: UNLESS OTHERWISE SPECIFIED

- ALL MACHINED SURFACES .125
- TOTAL KINEMATIC CLEARANCE SHOWN.
- BGA SHARP CORNER .005 TO .020
- MATERIAL: TITANIUM ALLOY
- MOUNTING STUD, 10-32, MODEL 6200, SUPPLIED
- MARKING DENOTES LOCATION OF SENSING ELEMENT'S CENTER OF MASS

PREP NTING SURF [16.5] MIN., FLAT TO .001 TIR.
TORQUE TO 10-12 Lb-in.

TAP 10-32 UNF-2B V.200 [5.1] MIN. TORQUE TO 10-12 Lb-in.

PIN 1 - SIG OUTPUT
PIN 4 - GROUND
PIN 3 - N/C

CONNECTOR, 4-PIN
M4.5 X 0.35

RECOMMENDED MOUNTING PREPARATION:
PREPARE FLAT MOUNTING SURFACE, .0.65 [16.5] MIN., FLAT TO .001 TIR.


MACHINED FILLETS .012 TO .045

TAP 10-32 UNF-2B V.200 [5.1] MIN. TORQUE TO 10-12 Lb-in.

NOTE: UNLESS OTHERWISE SPECIFIED

- MATERIAL: TITANIUM ALLOY
- MOUNTING STUD, 10-32, MODEL 6200, SUPPLIED
- MARKING DENOTES LOCATION OF SENSING ELEMENT'S CENTER OF MASS
- ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

PREP NTING SURF [16.5] MIN., FLAT TO .001 TIR.
TORQUE TO 10-12 Lb-in.

TAP 10-32 UNF-2B V.200 [5.1] MIN. TORQUE TO 10-12 Lb-in.


MACHINED FILLETS .012 TO .045
New type of accelerometer from Dytran Instruments Inc. combines the DC output of variable capacitance element with excellent high frequency response of piezoelectric sensor. Both outputs are electrically summed up and seamlessly superimposed on each other to provide the broadest frequency response from a single output pin.

### Performance Specifications

**Model Number**: DOC NO 7705A3

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity (mV/g)</th>
<th>Range (Gpeak)</th>
<th>Maximum Shock (Gpeak)</th>
<th>Noise Broadband (grms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7705A1</td>
<td>10</td>
<td>±200</td>
<td>5,000</td>
<td>0.004</td>
</tr>
<tr>
<td>7705A2</td>
<td>50</td>
<td>±40</td>
<td>5,000</td>
<td>0.002</td>
</tr>
</tbody>
</table>

### Supplied Accessories:

1. Accredited calibration certificate (ISO 17025)
2. Model 6200 mounting stud (10-32 to 10-32) Qty. 1
3. Model 6693 mounting stud (10-32 to M5) Qty. 1

### Notes:

1. Measured at 100Hz, 1 Gms per ISA RP 37.2.
2. Measure using zero-based straight line method, % of F.S. or any lesser range.
3. 0 to 1000Hz
4. In the interest of constant product improvement, we reserve the right to change specifications without notice.

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**Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-7705A for more information.**