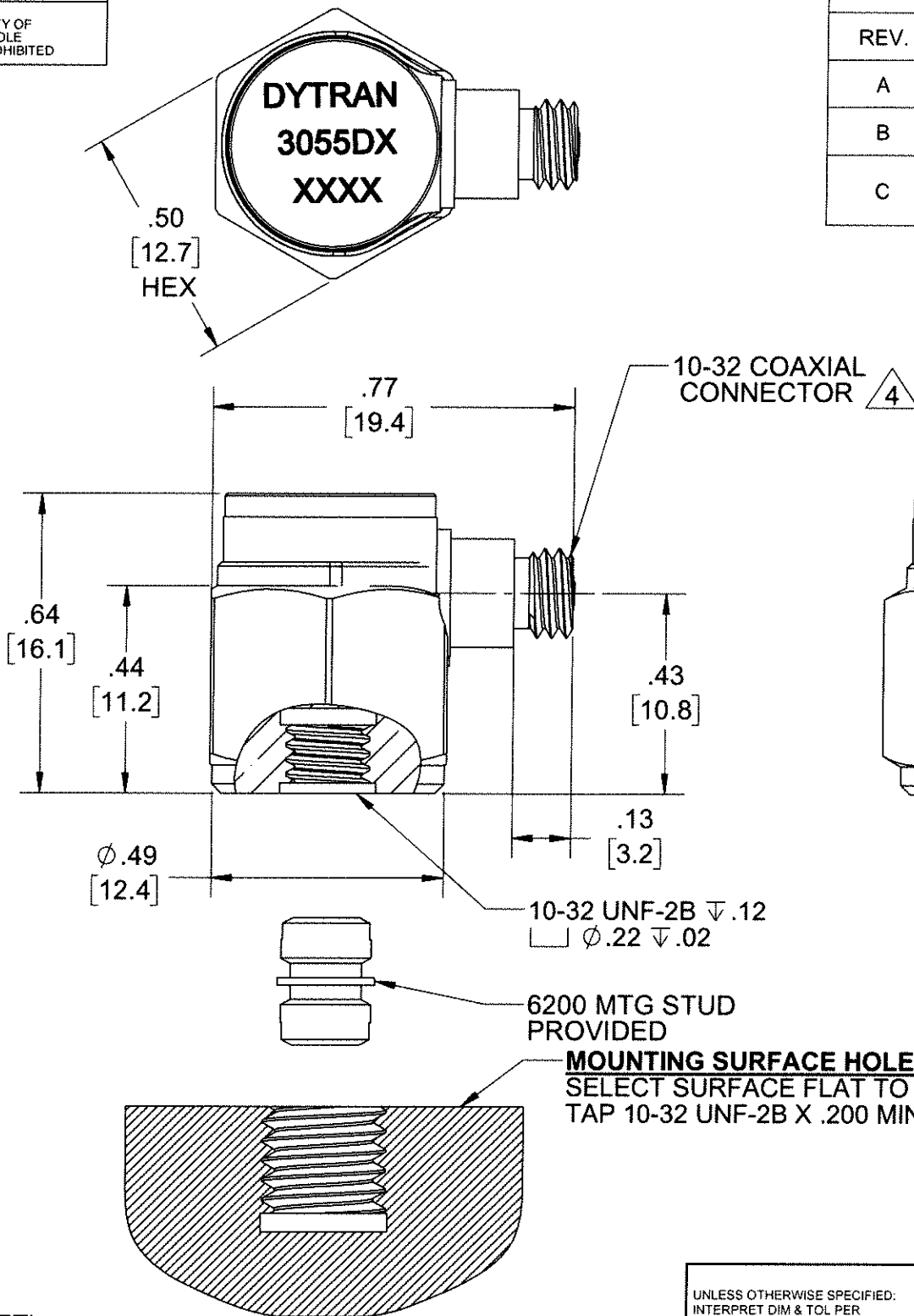


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DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

| MODEL   | SENSITIVITY |
|---------|-------------|
| 3055D1  | 10 mV/g     |
| 3055D2  | 100 mV/g    |
| 3055D3  | 500 mV/g    |
| 3055D4  | 50 mV/g     |
| 3055D5  | 20 mV/G     |
| 3055D6  | 200 mV/g    |
| 3055D11 | 1 mV/g      |
| 3055D12 | 5 mV/g      |



DWG NO 127-3055D

REV C

# REVISIONS

| REV. | ECN   | DESCRIPTION                                         | BY/DATE         | CHK | APPR |
|------|-------|-----------------------------------------------------|-----------------|-----|------|
| A    | 11394 | INITIAL RELEASE                                     | RA,<br>11/05/14 | EM  | DV   |
| B    | 14310 | ZONE B3 10-32 UNF WAS: 10-32 UNC                    | RA,<br>06/28/18 | MH  | LN   |
| C    | 14550 | INITIAL RELEASE OF 3055D11 & 3055D12,<br>SAME AS B1 | DP<br>10/02/18  | RA  | LN   |

4 MATES WITH DYTRAN 6010AXX OR  
6011AXX CABLE (XX=LENGTH IS FEET)

3. WEIGHT: 10 GRAMS, MAX.

2 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED

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.  
DIMENSIONS APPLY AFTER FINISHING.

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 ± .01  
XXX ± .005  
ANGLES ± 1°

| APPROVALS |    | DATE     |
|-----------|----|----------|
| DRAWN     | RA | 05/29/14 |
| DESIGN    | RA | 01/23/14 |
| CHK       | EM | 12/17/14 |
| APP       | DV | 12/17/14 |

DO NOT SCALE DRAWING

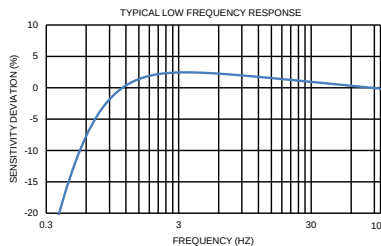
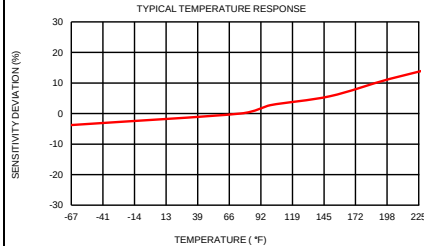
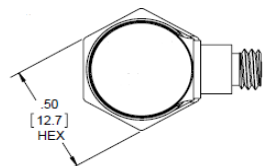
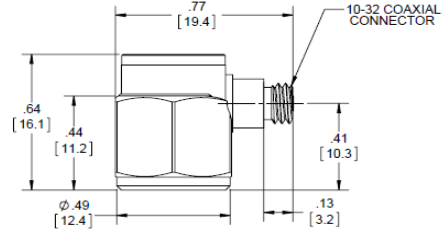


**DYTRAN** MASTER  
INSTRUMENTS, INC. ONLY IF IN RED  
Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION,  
ACCEL, ISOLATED, 10 MV/G,  
SIDE 10-32 CONN**

|                  |                           |                            |                 |
|------------------|---------------------------|----------------------------|-----------------|
| SIZE<br><b>B</b> | CAGE CODE<br><b>2W033</b> | DWG NO<br><b>127-3055D</b> | REV<br><b>C</b> |
|------------------|---------------------------|----------------------------|-----------------|

SCALE: 3:1 PART NO: SHEET 1 OF 1

| Model Number                                                                      |                    | PERFORMANCE SPECIFICATIONS                                                                                                           |                     |                     |                      | DOC NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|-----------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--------------------|-------------------------|---------------------|---------------------|--------|----|------------|------------|-------------|--------|-----|------------|------------|-------------|--------|-----|------------|------------|-------------|--------|----|------------|------------|-------------|--------|-----|------------|------------|-------------|---------|---|------------|------------|-------------|---------|---|------------|------------|-------------|
| 3055D5                                                                            |                    | IEPE ACCELEROMETER                                                                                                                   |                     |                     |                      | PS3055D5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | REV F, ECN 16090, 03/01/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|  |                    | <ul style="list-style-type: none"><li>• HERMETICALLY SEALED</li><li>• BASE ISOLATED</li><li>• IDEAL LOW FREQUENCY RESPONSE</li></ul> |                     |                     |                      | <b>This family also includes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3055D1</td><td>10</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +250</td></tr><tr><td>3055D2</td><td>100</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +250</td></tr><tr><td>3055D3</td><td>500</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +225</td></tr><tr><td>3055D4</td><td>50</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +250</td></tr><tr><td>3055D6</td><td>200</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +225</td></tr><tr><td>3055D11</td><td>1</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +250</td></tr><tr><td>3055D12</td><td>5</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +250</td></tr></table> |  | Model | Sensitivity (mV/g) | Frequency Response (Hz) | Time Constant (Sec) | Operating Temp (°F) | 3055D1 | 10 | 1 to 10000 | 0.5 to 1.5 | -67 to +250 | 3055D2 | 100 | 1 to 10000 | 0.5 to 1.5 | -67 to +250 | 3055D3 | 500 | 1 to 10000 | 0.5 to 1.5 | -67 to +225 | 3055D4 | 50 | 1 to 10000 | 0.5 to 1.5 | -67 to +250 | 3055D6 | 200 | 1 to 10000 | 0.5 to 1.5 | -67 to +225 | 3055D11 | 1 | 1 to 10000 | 0.5 to 1.5 | -67 to +250 | 3055D12 | 5 | 1 to 10000 | 0.5 to 1.5 | -67 to +250 |
| Model                                                                             | Sensitivity (mV/g) | Frequency Response (Hz)                                                                                                              | Time Constant (Sec) | Operating Temp (°F) |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D1                                                                            | 10                 | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +250         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D2                                                                            | 100                | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +250         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D3                                                                            | 500                | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +225         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D4                                                                            | 50                 | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +250         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D6                                                                            | 200                | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +225         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D11                                                                           | 1                  | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +250         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| 3055D12                                                                           | 5                  | 1 to 10000                                                                                                                           | 0.5 to 1.5          | -67 to +250         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | Refer to the performance specifications of the products in this family for detailed description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | <b>Supplied Accessories:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | 1) Accredited calibration certificate (ISO 17025)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | 2) Model 6200 mounting stud, qty 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | [1] Measured at 100Hz, 1 g RMS per ISA RP 37.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | [2] Measure 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | 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.                                                                                                                                                                                                                                                                                                                                                                     |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| <b>PHYSICAL</b>                                                                   |                    | ENGLISH                                                                                                                              |                     | SI                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Weight                                                                            | Type               | 0.35                                                                                                                                 | oz                  | 10                  | grams                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Connector                                                                         | Tapped Hole        | 10-32                                                                                                                                |                     | 10-32               |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Mounting Provision                                                                |                    | 10-32 X .150 ↓                                                                                                                       |                     | 10-32 X .150 ↓      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Material, Housing/Connector                                                       |                    | Titanium                                                                                                                             |                     | Titanium            |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Sensing Element                                                                   |                    | Ceramic                                                                                                                              |                     | Ceramic             |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Element Style                                                                     |                    | Planar Shear                                                                                                                         |                     | Planar Shear        |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| <b>PERFORMANCE</b>                                                                |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Sensitivity, ± 5% [1]                                                             |                    | 20                                                                                                                                   | mV/g                | 2                   | mV/m/s <sup>2</sup>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Range for ± 5 Volts Output                                                        |                    | 250                                                                                                                                  | g pk                | 2453                | m/s <sup>2</sup> pk  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Frequency Response, ± 10%                                                         |                    | 1 to 10000                                                                                                                           | Hz                  | 1 to 10000          | Hz                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Resonant Frequency                                                                |                    | > 36                                                                                                                                 | kHz                 | > 36                | kHz                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Broad Band Resolution                                                             |                    | 0.0020                                                                                                                               | g RMS               | 0.020               | m/s <sup>2</sup> RMS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Linearity [2]                                                                     |                    | ± 1                                                                                                                                  | % F.S.              | ± 1                 | % F.S.               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Maximum Transverse sensitivity                                                    |                    | 5                                                                                                                                    | %                   | 5                   | %                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Strain Sensitivity @ 250µε                                                        |                    | 0.002                                                                                                                                | g/µε                | 0.02                | m/s <sup>2</sup> /µε |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| <b>ENVIRONMENTAL</b>                                                              |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Maximum Shock                                                                     |                    | 2000                                                                                                                                 | g pk                | 19620               | m/s <sup>2</sup> pk  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Temperature Range                                                                 |                    | -67 to +225                                                                                                                          | °F                  | -55 to +107         | °C                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Seal                                                                              |                    | Hermetic                                                                                                                             |                     | Hermetic            |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| <b>ELECTRICAL</b>                                                                 |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Supply Current Range [3]                                                          |                    | 2 to 20                                                                                                                              | mA                  | 2 to 20             | mA                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Compliance Voltage Range                                                          |                    | 18 to +30                                                                                                                            | Volts               | 18 to +30           | Volts                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Output Impedence, Typ                                                             |                    | 100                                                                                                                                  | Ω                   | 100                 | Ω                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Bias Voltage                                                                      |                    | 11 to 13                                                                                                                             | VDC                 | 11 to 13            | VDC                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Discharge Time Constant                                                           |                    | 0.5 to 1.5                                                                                                                           | Sec                 | 0.5 to 1.5          | Sec                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
| Electrical Isolation                                                              |                    | 10                                                                                                                                   | GΩ, min             | 10                  | GΩ, min              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |
|                                                                                   |                    |                                                                                                                                      |                     |                     |                      | Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055D for more information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |                    |                         |                     |                     |        |    |            |            |             |        |     |            |            |             |        |     |            |            |             |        |    |            |            |             |        |     |            |            |             |         |   |            |            |             |         |   |            |            |             |



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