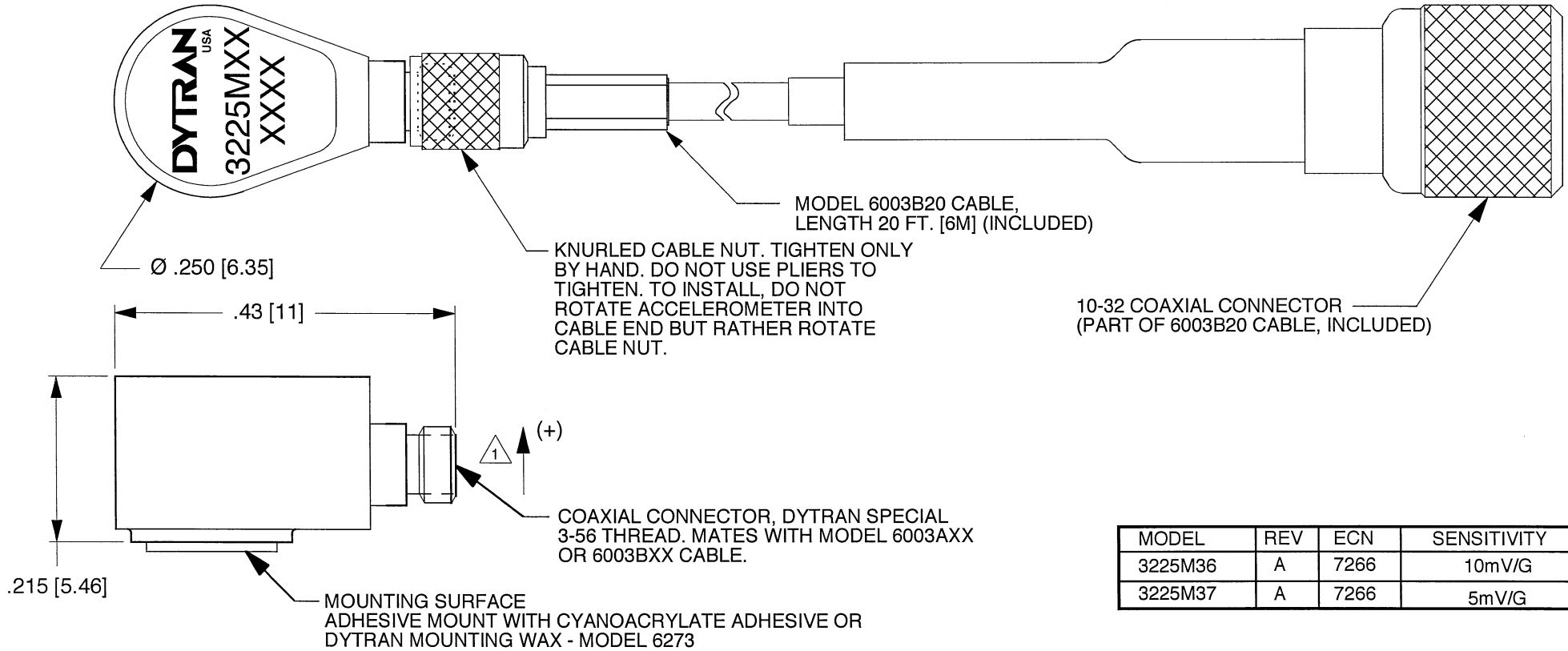


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| REV | ECN | DESCRIPTION | BY/DATE | CHK | APPR |
|-----|------|-----------------|--------------|-----|-----------|
| A | 7266 | INITIAL RELEASE | RLA 12/13/10 | JS | <i>JS</i> |



3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.85 GRAMS.

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

| | | |
|----------------------------|-----------|---|
| USED ON | NEXT ASSY | UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994.REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING. |
| APPLICATION | | |
| THIRD ANGLE PROJECTION USA | | ALL MACHINED SURFACES ⁶³ ✓ TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RADI .005 TO .015 WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12 |
| | | |

| | | |
|--|------------|--------|
| CONTRACT NO | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: | | |
| INCHES | METRIC | ANGLES |
| .XX ±.03 | .X ± 0.8 | ± 1° |
| .XXX ±.010 | .XX ± 0.25 | |
| FINISH | | |
| DO NOT SCALE DRAWING | | |

MASTER ONLY IF IN RED

CHATSWORTH, CA.

| | | | | |
|--|---------------|--------------------|---------|-------|
| SCALE 2X | DESIGN NC | DATE 12/09/10 | | |
| DRAWN RA | DATE 12/15/10 | PART NO. | | |
| CHECKED JS | DATE 12/15/10 | MAT'L | | REV A |
| APPROVED <i>JS</i> | DATE 12/15/10 | NEXT ASSEMBLY | USED ON | |
| TITLE | | DWG NO. | | |
| OUTLINE/INSTALLATION, MODEL 3225M36 | | 127-3225M36 | | |
| | | SHEET 1 OF 1 | | |

| | | |
|---------------------------------------|----------------------------------|------------------------------------|
| MODEL NUMBER 3225M37 | PERFORMANCE SPECIFICATION | DOC NO. PS3225M37 |
| ACCELEROMETER , IEPE | | REV D, ECN 13008, 10/27/16 |



- **MINIATURE SIZE**
- **REMOVABLE CABLE WITH 10-32 CONNECTOR**

This family also includes:

| Model | Sensitivity (mV/g) | Range (g's) | Resolution (Grms) | Oper. Temp(*F) | TC |
|-------|--------------------|-------------|-------------------|----------------|----|
| | | | | | |
| | | | | | |

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

Supplied Accessories

- 1) Model 6591A installation wrench
- 2) Model 6298 small petro mounting wax
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran cable 6003BXX (XX is cable length in feet)
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier

PHYSICAL

| | | ENGLISH | | SI | |
|--------------------|------------------|----------|--------|----------|-------|
| Weight, Max | (Less Cable) | 0.03 | oz | 0.85 | grams |
| Mounting Provision | | [1] | | [1] | |
| Connector | Radially Mounted | 3-56 | | 3-56 | |
| Cable Length | | 240 | Inches | 6096 | mm |
| Case Material | | Titanium | | Titanium | |
| Sensing Element | Material | Quartz | | Quartz | |
| | Mode | Shear | | Shear | |

PERFORMANCE

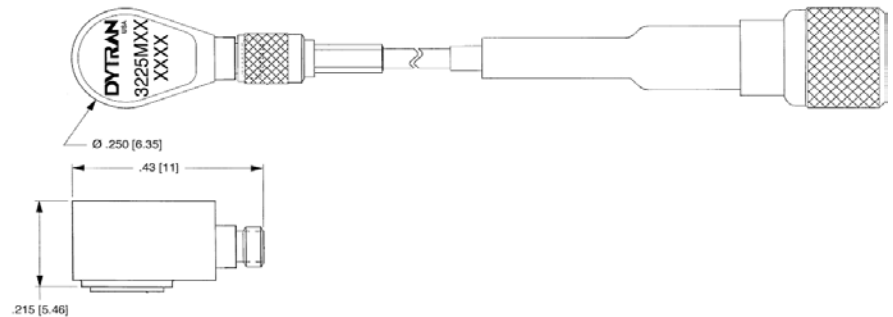
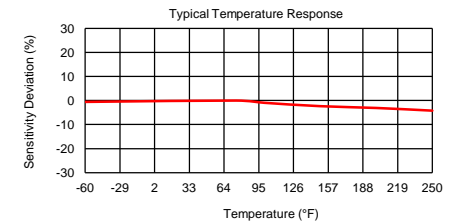
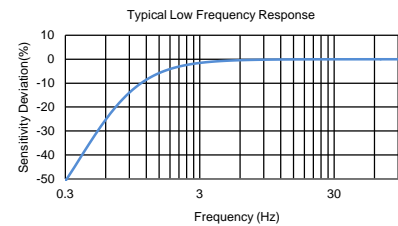
| | | ENGLISH | | SI | |
|-----------------------------|--|--------------|------|--------------|----------------------|
| Sensitivity, ± 10% [3] | | 5 | mV/g | 0.51 | mV/m/s ² |
| Range F.S For ± 5 Volts Out | | ± 1000 | g's | ± 9810 | m/s ² |
| Frequency Response, +/- 10% | | 1.0 to 10000 | Hz | 1.0 to 10000 | Hz |
| Mounted Resonant Frequency | | > 40 | kHz | > 40 | kHz |
| Amplitude Non-Linearity [4] | | 2 | %F.S | 2 | %F.S |
| Transverse Sensitivity, Max | | 5 | % | 5 | % |
| Noise Resolution | | 0.014 | grms | 0.14 | m/s ² rms |
| Strain Sensitivity @ 250/με | | 0.0005 | g/με | 0.0049 | m/s ² /με |

ENVIRONMENTAL

| | | ENGLISH | | SI | |
|--------------------|--|-------------|-------|-------------|-----------------------|
| Maximum Vibration | | 600 | Grms | 5880 | m/s ² rms |
| Maximum Shock | | 5000 | Gpeak | 49000 | m/s ² peak |
| Temperature Range | | -60 to +250 | °F | -51 to +121 | °C |
| Environmental Seal | | Epoxy | | Epoxy | |

ELECTRICAL

| | | ENGLISH | | SI | |
|---|--|--------------------|----------|--------------------|----------|
| Supply Current/Compliance Voltage Range [5] | | 2 to 20/+18 to +30 | mA/Volts | 2 to 20/+18 to +30 | mA/Volts |
| Output Impedance, TYP | | 100 | Ω | 100 | Ω |
| Bias Voltage | | +7 to +9 | VDC | +7 to +9 | VDC |
| Discharge Time Constant | | 0.3 to 1.5 | Sec | 0.3 to 1.5 | Sec |
| Teds Feature | | IEEE 14514 | | IEEE 14514 | |



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M36 for more information.



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