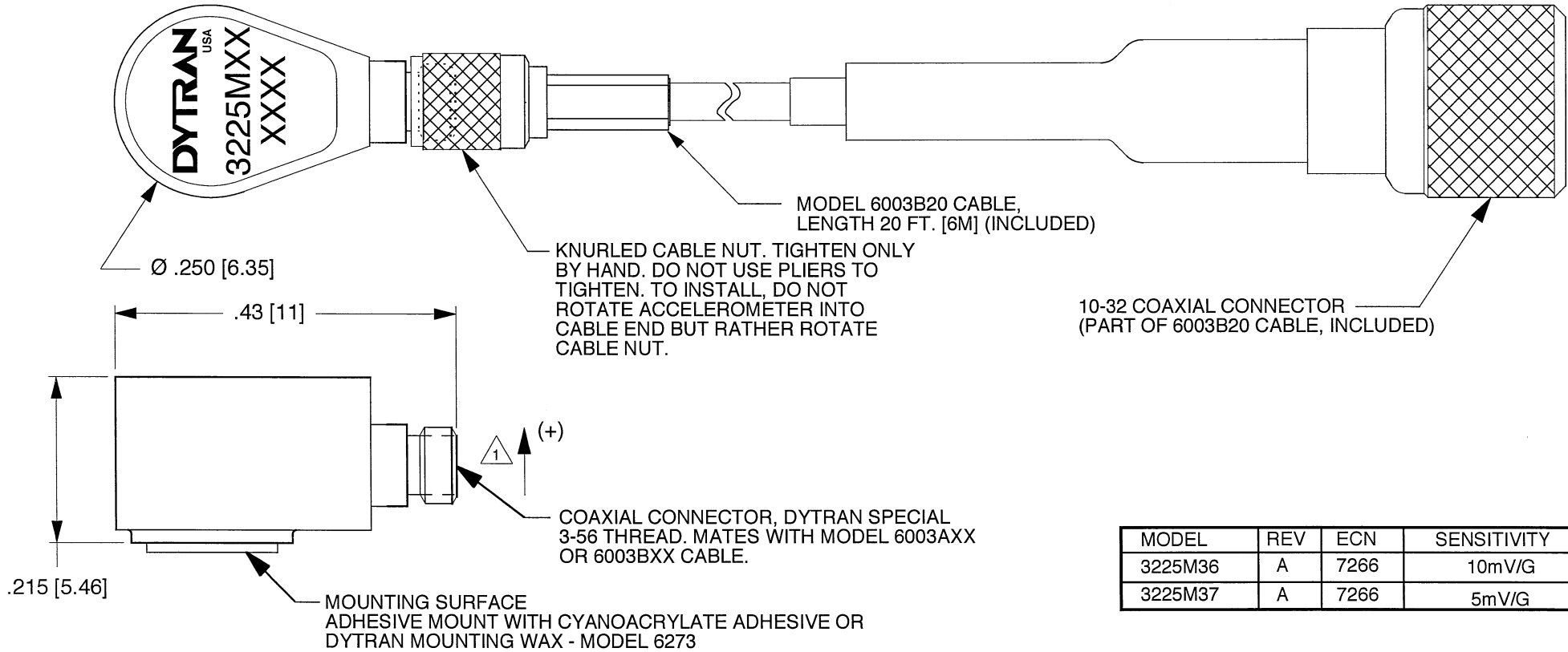


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7266	INITIAL RELEASE	RLA 12/13/10	JS	<i>[Signature]</i>



MODEL	REV	ECN	SENSITIVITY
3225M36	A	7266	10mV/G
3225M37	A	7266	5mV/G

- 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 .010 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>[Signature]</i>	DATE 12/15/10	NEXT ASSEMBLY	USED ON	
TITLE		DWG NO.		
OUTLINE/INSTALLATION, MODEL 3225M36		127-3225M36		
		SHEET 1 OF 1		

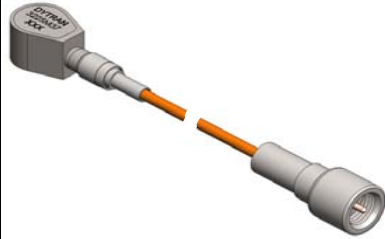
MODEL NUMBER
3225M37

PERFORMANCE SPECIFICATION

DOC NO.
PS3225M37

ACCELEROMETER , IEPE

REV A ,ECN 7266, 12/15/10



- **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

Weight, Max (Less Cable)
Mounting Provision
Connector Radially Mounted
Cable Length
Case Material

ENGLISH		SI	
0.03	oz	0.85	grams
[1]		[1]	
3-56		3-56	
240	Inches	6096	mm
Titanium		Titanium	

PERFORMANCE

Sensitivity, ± 10% [3]
Range F.S For ± 5 Volts Out
Frequency Response, +/- 10%
Mounted Resonant Frequency
Amplitude Non-Linearity [4]
Transverse Sensitivity, Max
Noise Resolution
Strain Sensitivity @250µε

5	mV/g	0.51	mV/m/s ²
± 1000	g's	± 9810	m/s ²
1.0 to 10000	Hz	1.0 to 10000	Hz
> 40	kHz	> 40	kHz
2	%F.S	2	%F.S
5	%	5	%
0.014	grms	0.14	m/s ² rms
0.0005	g/µε	0.0049	m/s ² /µε

ENVIRONMENTAL

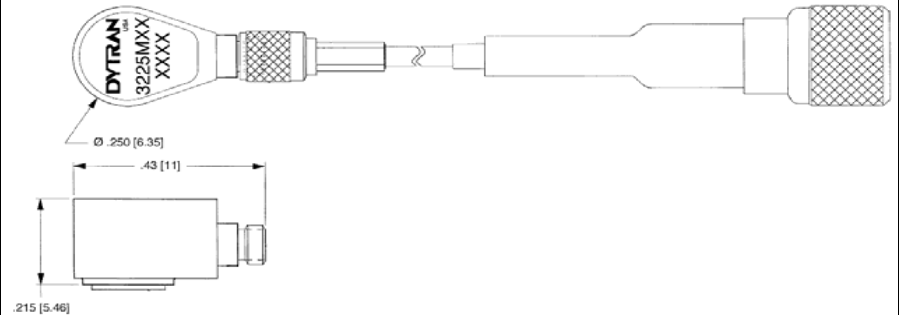
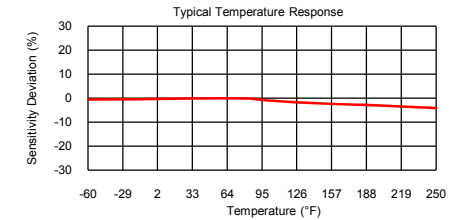
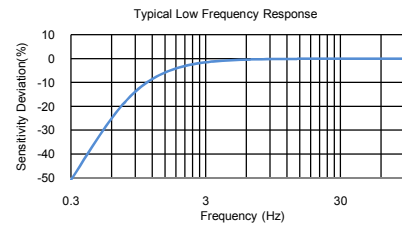
Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

600	Grms	5880	m/s ² rms
5000	Gpeak	49000	m/s ² peak
-60 to +250	°F	-51 to +121	°C
Epoxy		Epoxy	

ELECTRICAL

Supply Current/Compliance Voltage Range [5]
Output Impedance, TYP
Bias Voltage
Discharge Time Constant

2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
100	Ω	100	Ω
+7 to +9	VDC	+7 to +9	VDC
0.3 to 0.5	Sec	0.3 to 0.5	Sec



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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