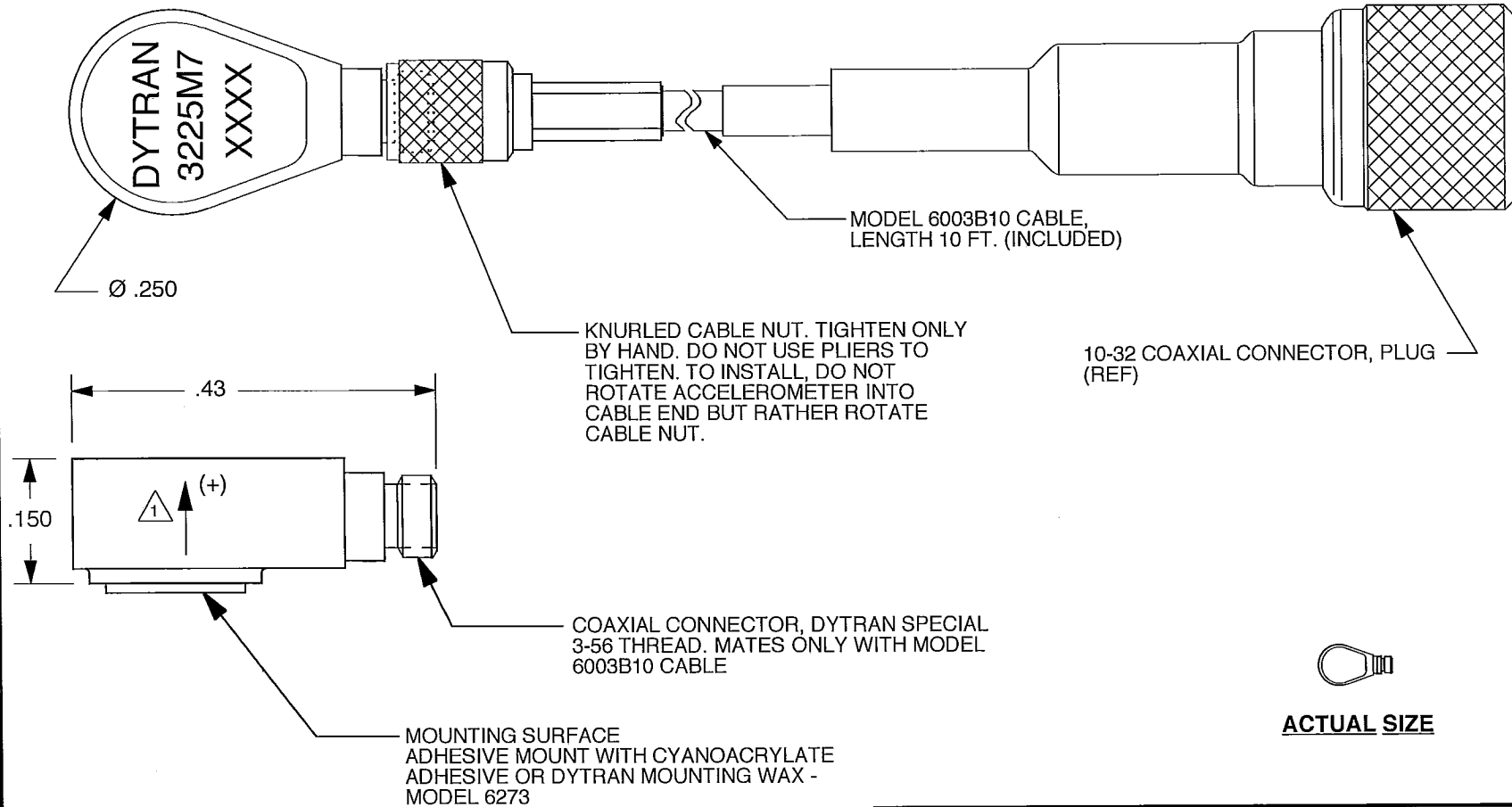


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	7667	UPDATED MARKING	RLA 7/05/11	JS	DV
D	10294	IS: CONNECTOR, PLUG WAS: CONNECTOR, JACK	RLA 8/21/13	MH	PT



- CASE AND CONNECTOR MATERIAL: TITANIUM.
- WEIGHT LESS CABLE: 0.6 GRAMS.

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

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX = ±	
SURFACE FINISH EXCEPT AS NOTED ✓	
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS TO T.I.R.	
FILLETS - MAX RAD.	

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	D	DATE	SEE REV BLK
DATE	11/19/03	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	P.M.L.	3/31/05	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225M7				127-3225M7	
				SHEET 1 OF 1	

MODEL NUMBER
3225M7

PERFORMANCE SPECIFICATION

DOC NO.
PS3225M7

ACCELEROMETER, IEPE

REV A, ECN 12030, 06/16/15



- **MINIATURE SIZE**
- **HERMETICALLY SEALED**
- **LESS THAN 1 GRAM**

This family also includes:

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

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

Supplied Accessories

- 1) Model 6591A removal wrench
- 2) Model 6298 small petro mounting wax
- 3) Model 6003B10 removable cable
- 4) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Connector mates only with dytran cable model 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 calibrated 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
Sensing Element Type

ENGLISH		SI	
0.02	oz	0.6	grams
[1]		[1]	
3-56, [2]		3-56, [2]	
Quartz		Quartz	

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 @250/με

ENGLISH		SI	
1	mV/g	0.1	mV/m/s ²
± 5000	g's	± 49050	m/s ²
1.6 to 10000	Hz	1.6 to 10000	Hz
> 40	kHz	> 40	kHz
2	%F.S	2	%F.S
5	%	5	%
0.08	grms	0.8	m/s ² rms
0.0005	g/με	0.005	m/s ² /με

ENVIRONMENTAL

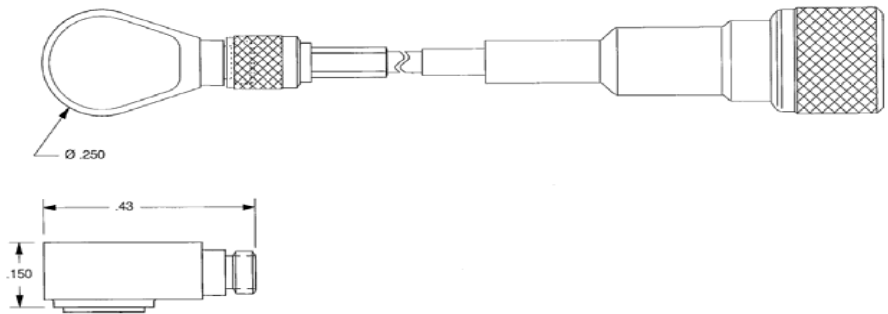
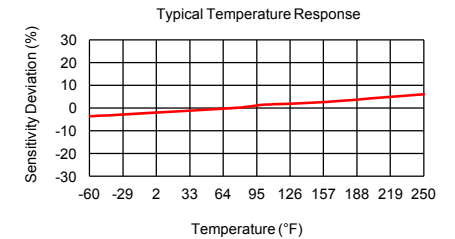
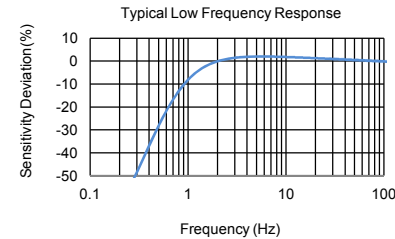
Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

ENGLISH		SI	
400	Grms	3924	m/s ² rms
5000	Gpeak	49050	m/s ² peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

ELECTRICAL

Supply Current [5]
Compliance Voltage
Output Impedance, Typ.
Bias Voltage
Discharge Time Constant

ENGLISH		SI	
2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+7 to +9	VDC	+7 to +9	VDC
0.3 to 1.0	Sec	0.3 to 1.0	Sec



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M7 for more information.



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