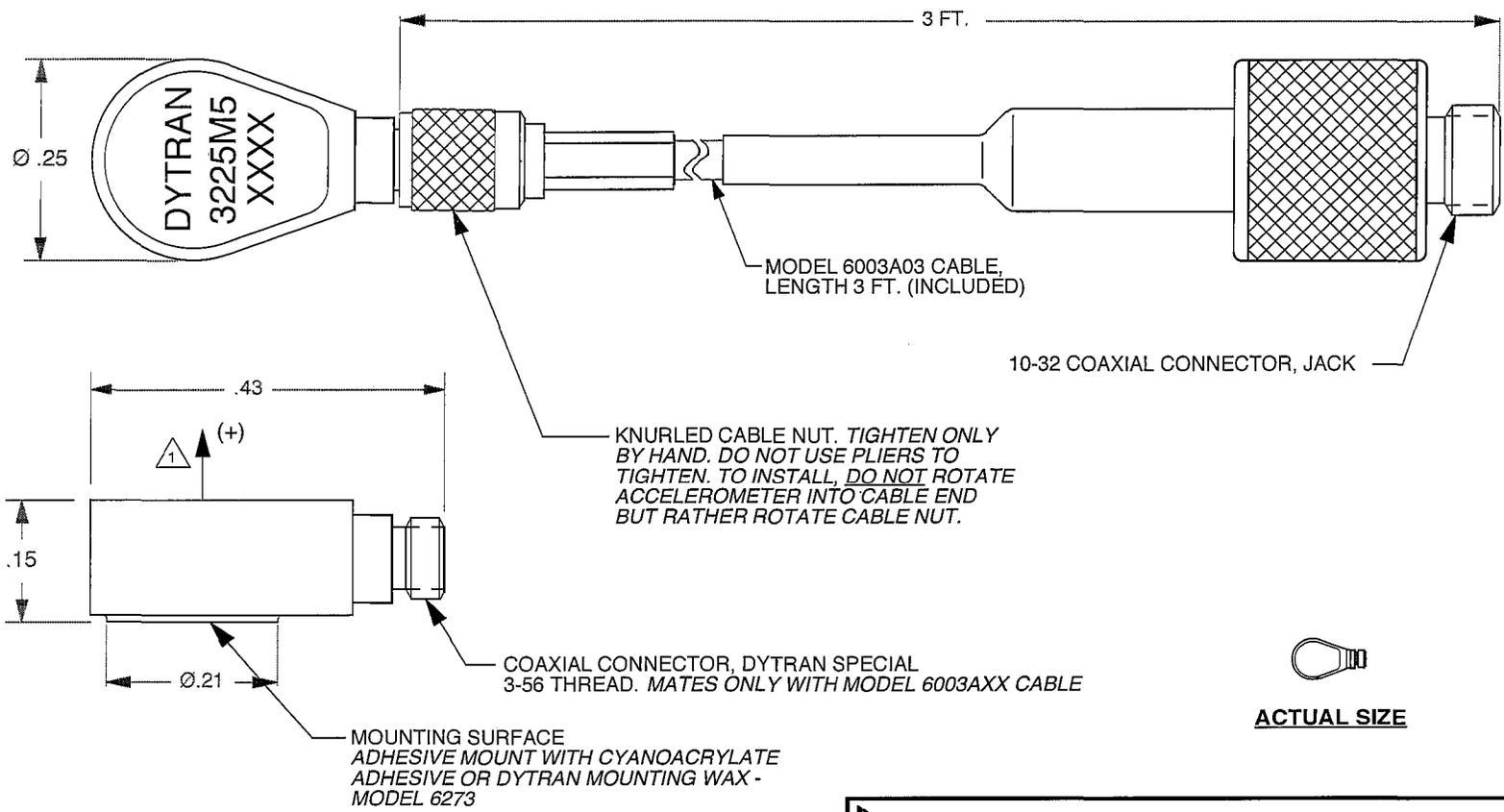


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6001	SEE ECN	RLA 7/08/09	EP	DV
C	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	<i>RL</i>	<i>AS</i>



- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
- 2. 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.

		MASTER <small>ONLY VIEW IN RED</small>		CHATSWORTH, CA.	
SCALE	5X	REV	DATE	BY	CHK
DATE	4/9/03	PART NO.	SEE REV BLK		
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	PML	3/31/05	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225M5				127-3225M5	
				SHEET 1 OF 1	

MODEL NUMBER 3225M5	PERFORMANCE SPECIFICATION	DOC NO. PS3225M5
ACCELEROMETER, IEPE		REV A, ECN12432, 01/07/16



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

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

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	%
0.07	grms	0.7	m/s ² rms
0.0005	g/με	0.005	m/s ² /με

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

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
Output Signal Polarity

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
Positive		Positive	

This family also includes:

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

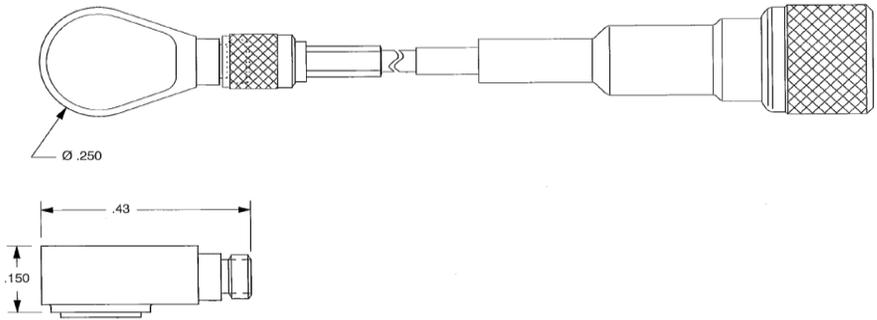
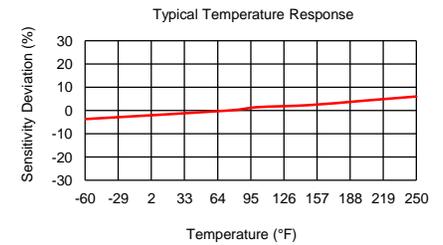
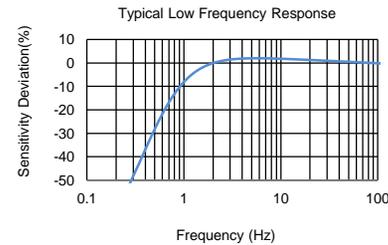
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Model 6591A removal wrench
- 2) Model 6003B10 removable cable
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Connector mates only with dytran cable model 6003AXX (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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M5 for more information.



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