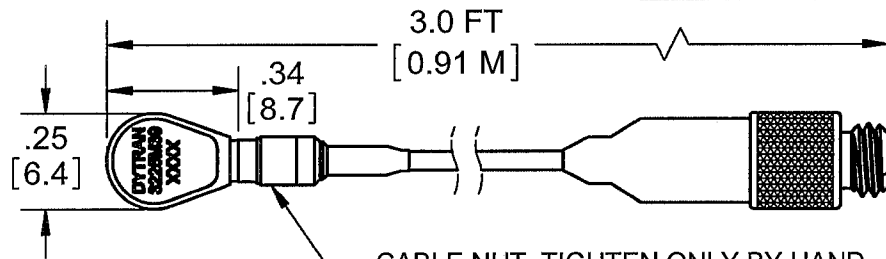


PROPRIETARY AND CONFIDENTIAL

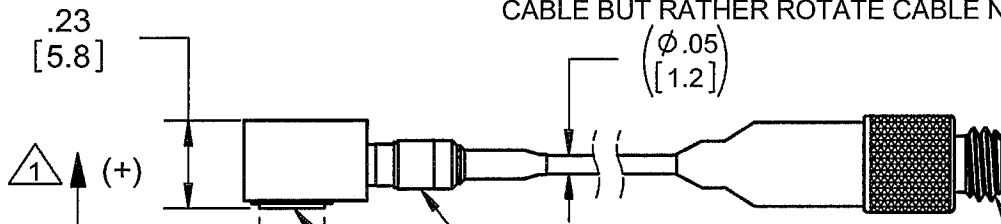
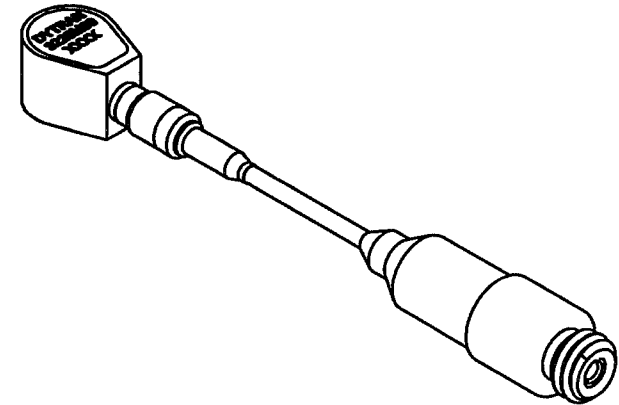
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	ke	AS



CABLE NUT, TIGHTEN ONLY BY HAND. DO NOT USE PLIERS TO TIGHTEN. DO NOT ROTATE ACCELEROMETER INTO CABLE BUT RATHER ROTATE CABLE NUT.



COAXIAL CONNECTOR, DYTRAN SPECIAL 3-56 THREAD

MOUNTING SURFACE, ADHESIVE MOUNT WITH CYANOACRYLATE ADHESIVE OR DYTRAN MOUNTING WAX MODEL 6273

10-32 COAXIAL CONNECTOR, JACK (PART OF 6003A03 CABLE INCLUDED)

- 3. CASE AND CONNECTION MATERIAL: TITANIUM
- 2. WEIGHT LESS CABLE: 0.95 GRAMS MAX.

△ ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE OUTPUT SIGNAL

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY	APPLICATION
		THIRD ANGLE PROJECTION USA
<p>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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.</p>		
<p>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.</p>		

<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25</p>		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.		
APPROVALS		DATE
ORIG	JS	06/20/11
CHK	RA	06/22/11
APP	DV	06/30/11
APP		

Chatsworth, CA

MASTER ONLY

ONLY IN RED

TITLE: **OUTLINE / INSTALLATION DRAWING 3225M39**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3225M39	REV B
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

MODEL NUMBER
3225M39

PERFORMANCE SPECIFICATION

DOC NO.
PS3225M39

ACCELEROMETER , IEPE

REV B ECN 9494 , 05/06/13



- 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) 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

PHYSICAL

Weight, Max (Less Cable) oz
 Mounting Provision [1]
 Connector Radially Mounted 3-56 [2]

ENGLISH		SI	
0.03	oz	0.95	grams
[1]		[1]	
3-56 [2]		3-56 [2]	

PERFORMANCE

Sensitivity, ± 10% [3] mV/g
 Range F.S For ± 5 Volts Out g's
 Frequency Response, +/- 10% 1.2 to 10000 Hz
 Mounted Resonant Frequency > 40 kHz
 Amplitude Non-Linearity [4] 2 %F.S
 Transverse Sensitivity, Max 5 %
 Noise Resolution 0.003 grms
 Strain Sensitivity @250/με 0.0005 g/με

10	mV/g	1.02	mV/m/s ²
± 500	g's	± 4905	m/s ²
1.2 to 10000	Hz	1.2 to 10000	Hz
> 40	kHz	> 40	kHz
2	%F.S	2	%F.S
5	%	5	%
0.003	grms	0.03	m/s ² rms
0.0005	g/με	0.0049	m/s ² /με

ENVIRONMENTAL

Maximum Vibration 400 Grms
 Maximum Shock 5000 Gpeak
 Temperature Range -60 to +250 °F
 Environmental Seal Hermetic

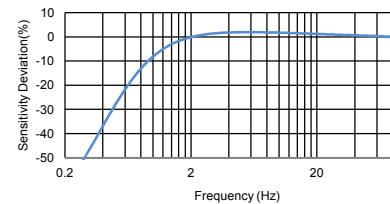
400	Grms	3920	m/s ² rms
5000	Gpeak	49000	m/s ² peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

ELECTRICAL

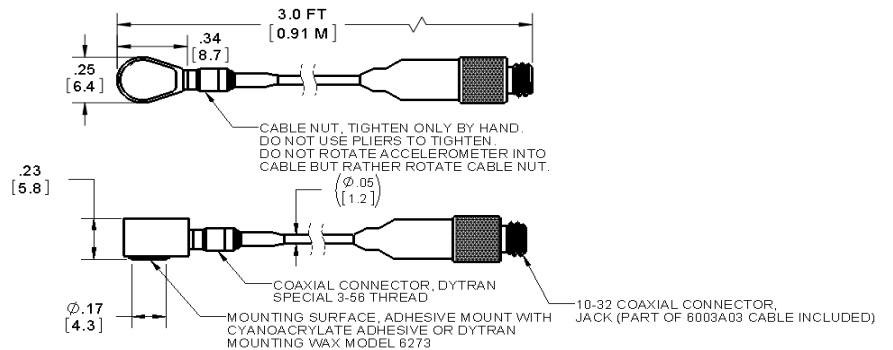
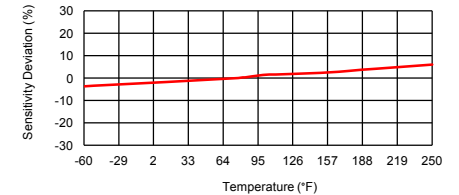
Supply Current/Compliance Voltage Range [5] 2 to 20/+18 to +30 mA/Volts
 Output Impedance, TYP 100 Ω
 Bias Voltage 11 to 13 VDC
 Discharge Time Constant 0.3 to 0.8 Sec

2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
100	Ω	100	Ω
11 to 13	VDC	11 to 13	VDC
0.3 to 0.8	Sec	0.3 to 0.8	Sec

Typical Low Frequency Response



Typical Temperature Response



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M39 for more information.



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