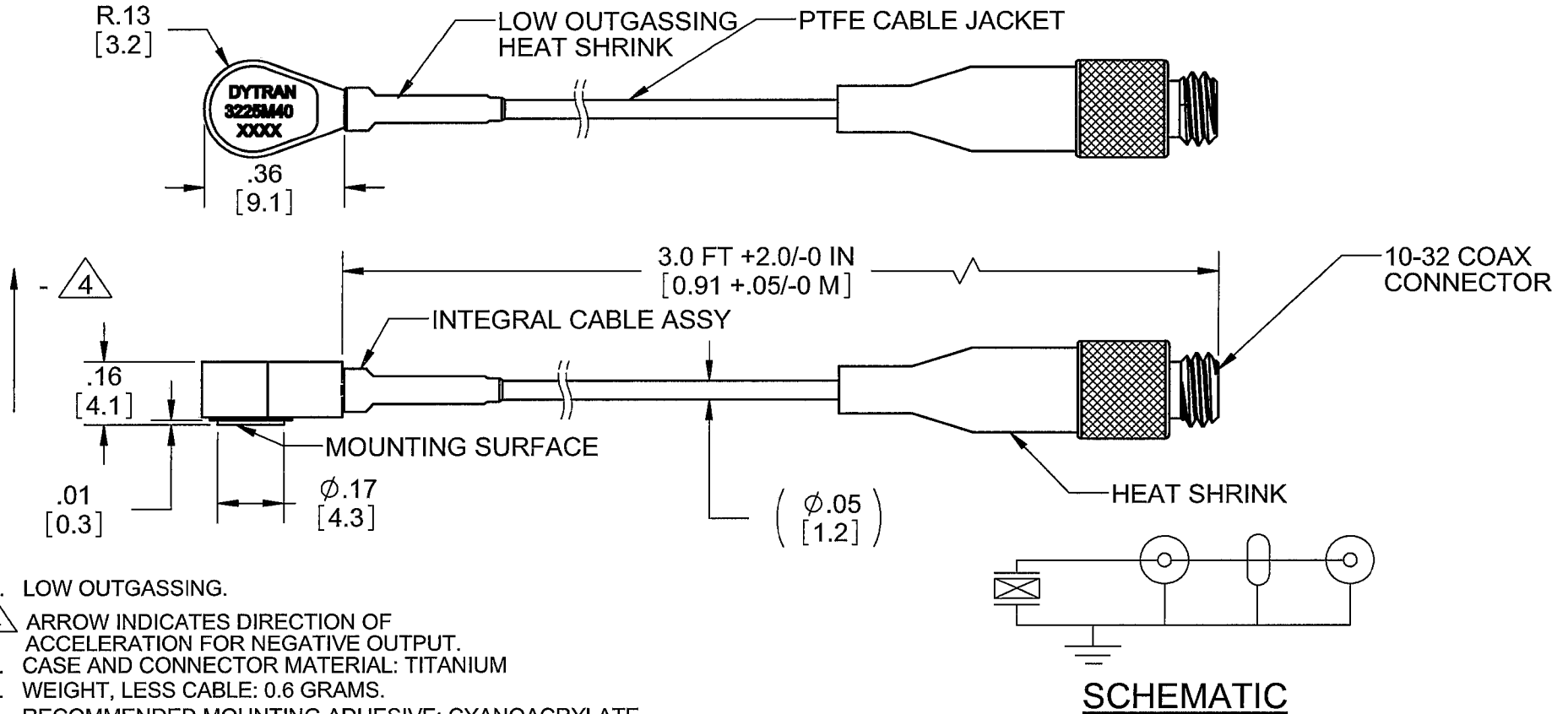


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	8871	INITIAL RELEASE	JS 07/30/12	LN	ANS
B	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	JA	AV



- 5. LOW OUTGASSING.
 - 4. ARROW INDICATES DIRECTION OF ACCELERATION FOR NEGATIVE OUTPUT.
 - 3. CASE AND CONNECTOR MATERIAL: TITANIUM
 - 2. WEIGHT, LESS CABLE: 0.6 GRAMS.
 - 1. RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE
- NOTES: UNLESS OTHERWISE SPECIFIED

CONTRACT NO.



TITLE:
**OUTLINE/INSTALLATION
DRAWING, 3225M40**

APPROVALS		DATE
ORIG	JS	07/17/12
CHK	LN	07/30/12
APP	AS	08/14/12
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3225M40	B
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

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.

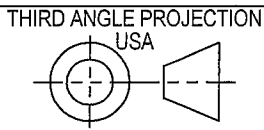
UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
 TOLERANCES ARE:
 INCHES METRIC ANGLES
 .XX ± .03 X ± 0.8 ± 1°
 .XXX ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

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.



MODEL NUMBER 3225M40	PERFORMANCE SPECIFICATION	DOC NO. PS3225M40
ACCELEROMETER , IEPE		REV A , ECN 8871 , 07/30/12



- MINIATURE SIZE
- HIGH SENSITIVITY
- LOW OUTGASSING

ENGLISH		SI	
Weight, Max (Less Cable)	0.02 oz	0.6 grams	
Mounting Provision	[1]	[1]	
Connector	10-32	10-32	
Case Material	Titanium	Titanium	
Sensing Element	Piezoceramic	Piezoceramic	

PHYSICAL

Weight, Max (Less Cable)
Mounting Provision
Connector
Case Material
Sensing Element

PERFORMANCE

Sensitivity, ± 20% [2] [4]	1.8 pC/G	0.18 pC/m/s ²
Frequency Response, +/- 10%	[5] to 10000 Hz	[5] to 10000 Hz
Mounted Resonant Frequency	> 40 kHz	> 40 kHz
Amplitude Non-Linearity [3]	2 %F.S., Max	2 %F.S MAX
Transverse Sensitivity, Max	5 %	5 %
Strain Sensitivity @250/μϵ	0.04 g/μϵ	0.392 m/s ² /μϵ

ENVIRONMENTAL

Maximum Vibration	400 Grms	3920 m/s ² rms
Maximum Shock	5000 g	49000 m/s ²
Temperature Range	-60 to +350 °F	-51 to +177 °C
Environmental Seal	Epoxy	Epoxy

ELECTRICAL

Output Signal Polarity for Acceleration Toward Top	Positive	Positive
Ground Isolation	Case is grounded	Case is grounded

This family also includes:

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

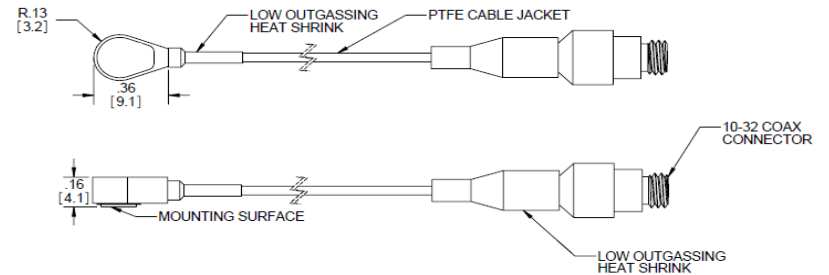
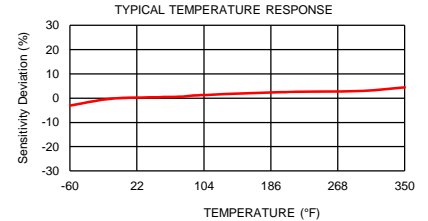
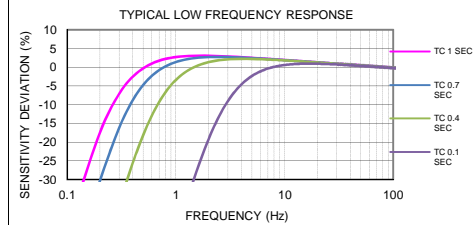
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

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

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Measured at 100 Hz, 1 GRMS per ISA RP37.2.
- [3] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [4] Actual sensitivity is given on a calibration traceable to NIST, supplied with each instrument.
- [5] Low frequency response is dependent upon the discharge time constant of the charge amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M40 for more information.

