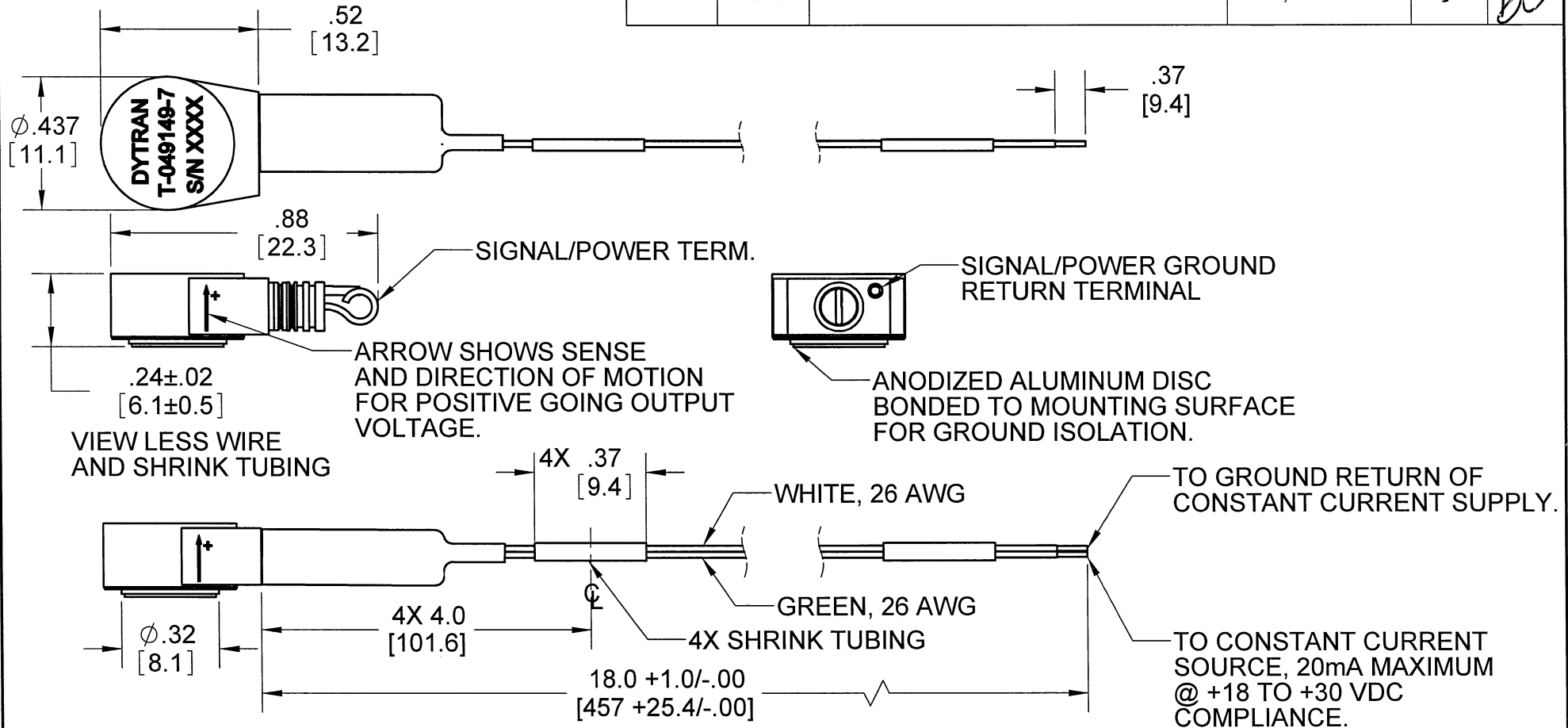


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7329	REVISED AND REDRAWN	RA, 01/25/11	JS	<i>[Signature]</i>



1. WEIGHT LESS CABLE 4.0 GRAMS MAX.
 NOTES: UNLESS OTHERWISE SPECIFIED.

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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	
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.	

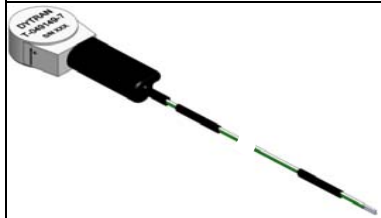
CONTRACT NO.	
APPROVALS	
ORIG	NC
CHK	DV
APP	NC
DATE	11/17/09
DATE	3/25/98
DATE	3/25/98
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

DYTRAN INSTRUMENTS, INC. **MASTER ONLY IF IN RED**

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3220M6 (T-049149-7)**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3220M6	A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

Model Number 3220M6	PERFORMANCE SPECIFICATION	DOC NO PS3220M6
	MINIATURE IEPE ACCELEROMETER	REV D, ECN 8493, 04/09/12



- MINIATURE SIZE
- EXCELLENT TEMPERATURE STABILITY

PHYSICAL
 Weight, Less Cable, Max Cable
 Mounting Provision
 Material Accelerometer and Connector
 Sensing Material

ENGLISH		SI	
0.14	oz	4.0	grams
Flying Leads		Flying Leads	
Adhesive Mount		Adhesive Mount	
304L		304L	
Piezoelectric		Piezoelectric	

PERFORMANCE
 Sensitivity, ±10% [1]
 Range F.S for ± 5 Volts Output
 Frequency Response, ±5%
 Resonant Frequency
 Equivalent Electrical Noise Floor, Max
 Spectral Noise
 Linearity [2]
 Maximum Transverse sensitivity
 Strain Sensitivity @ 250µε, Max
 Phase @ 2 Hz

10	mV/g	1	mV/m/s ²
±500	g	±4905	m/s ²
2 to 5000	Hz	2 to 5000	Hz
>35	kHz	>35	kHz
0.007	Grms	0.069	m/s ² rms
0.0028	Grms/v(Hz)	0.027468	m/s ² rms/v(Hz)
0.00035	Grms/v(Hz)	0.0034335	m/s ² rms/v(Hz)
0.00021	Grms/v(Hz)	0.0020601	m/s ² rms/v(Hz)
0.0001	Grms/v(Hz)	0.000981	m/s ² rms/v(Hz)
0.0001	Grms/v(Hz)	0.000981	m/s ² rms/v(Hz)
± 1	%	± 1	%
≤ 5	%	≤ 5	%
< 0.01	g/µε	< 0.098	m/s ² /µε
< 4	Degrees	< 4	Degrees

ENVIRONMENTAL
 Maximum Vibration
 Maximum Shock
 Temperature Range
 Seal
 Thermal Coefficient of Sensitivity

± 1000	Gpeak	± 9810	m/s ² peak
± 2000	Gpeak	± 19620	m/s ² peak
-65 to +250	°F	-54 to +121	°C
Hermetic		Hermetic	
0.035	%/°F (F.S.)	0.07	%/°C (F.S.)

ELECTRICAL
 Supply Current Range [3]
 Compliance Voltage Range
 Output Impedance
 Bias Voltage
 Discharge Time Constant
 Ground Isolation

1.54 to 20	mA	1.54 to 20	mA
+ 18 to +30	Volts	+ 18 to +30	Volts
< 100	Ω	< 100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
1.3 to 3.0	Sec	1.3 to 3.0	Sec
10	GΩ	10	GΩ

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
3220M16	50	2 to 5000	1.3 to 3.0	-65 to +250

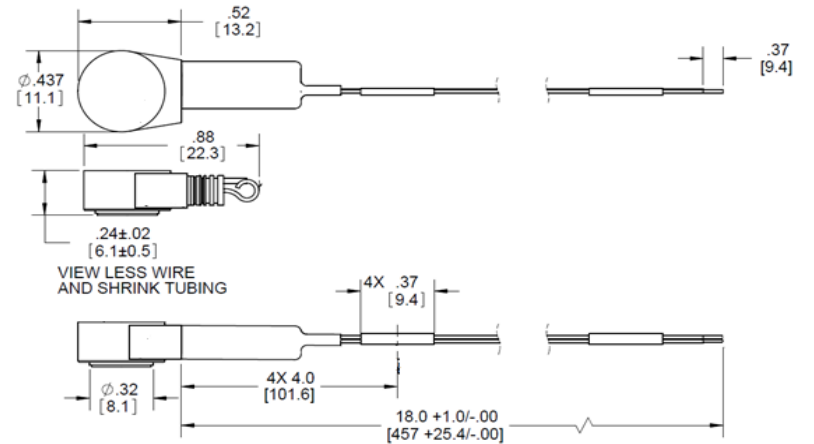
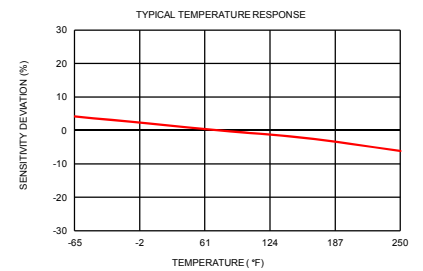
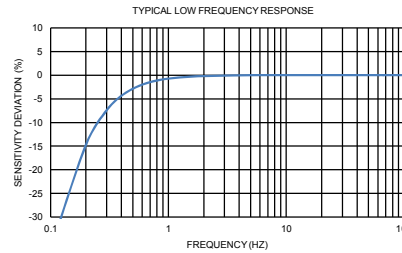
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Measure at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measured using zero based best fit straight line method. Linearity is ±1% of 500g's or ±1% of any lesser calibrated range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3220M6 for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
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