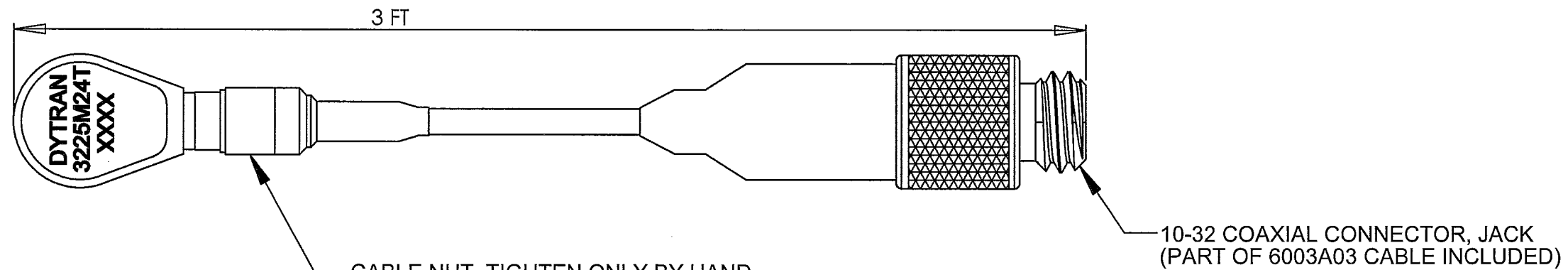
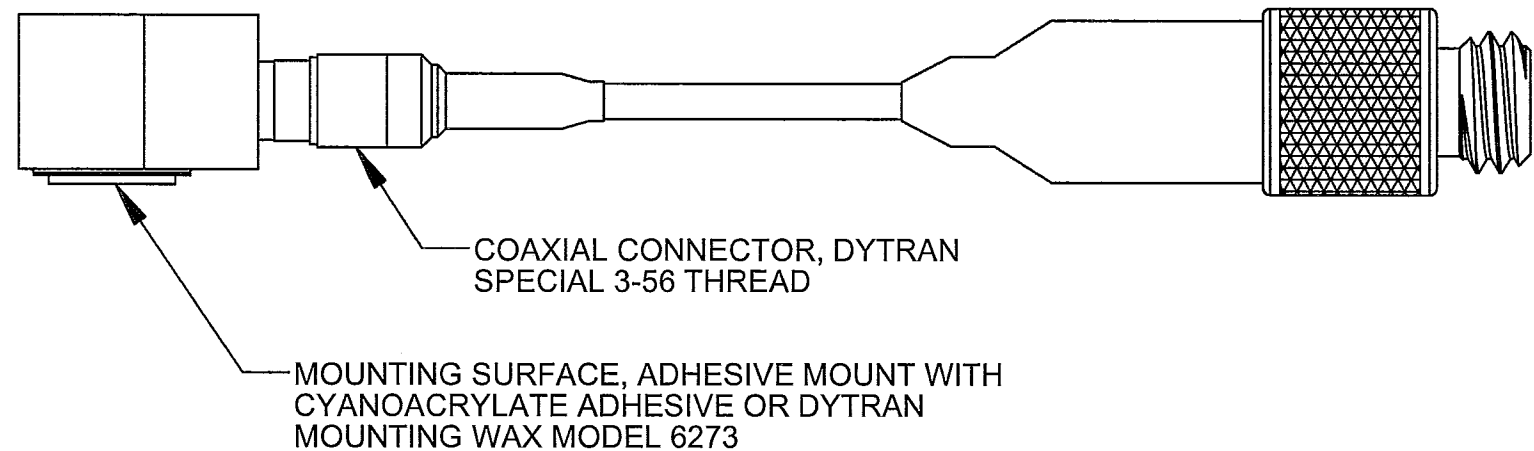


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5254	INITIAL RELEASE	DV, 6/2/08	CES	DV
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	<i>FL</i>	<i>DV</i>



1 (+)



- 4. RECOMMENDED MOUNTING: CYANOACRYLATE.
- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
- 2. WEIGHT LESS CABLE: 0.85 GRAMS.

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING 127-3225M24T OUTPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

DRILL HOLE SIZE	TOLERANCE	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
.0135 THRU .125	+ .004 / - .001	ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .010. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.
.1260 THRU .250	+ .005 / - .001	
.2510 THRU .500	+ .006 / - .001	
.5010 THRU .750	+ .008 / - .001	
.7510 THRU 1.000	+ .010 / - .001	
1.001 THRU 2.000	+ .012 / - .001	

THIRD ANGLE PROJECTION
USA

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS .XX ± .010
.XXX ± .005
ANGLES ± 1°

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS

ORIG DV DATE 5/30/08

CHK CES DATE 06/13/08

APP DV DATE 06/13/08

APP *DV* DATE 5/8/13

MASTER
DYTRAN INSTRUMENTS, INC.
Chatsworth, CA

TITLE: **OUTLINE DRAWING, 3225M24T**

SIZE **B** CAGE CODE **2W033** DWG NO **127-3225M24T** REV **B**

SCALE: NONE SOLIDWORKS SHEET 1 of 1

MODEL NUMBER 3225M24T	PERFORMANCE SPECIFICATION	DOC NO. PS3225M24T
ACCELEROMETER, IEPE		REV B, ECN 13008, 10/27/16



- MINIATURE SIZE
- REMOVABLE CABLE WITH 10-32 CONNECTOR
- HERMETICALLY SEALED

PHYSICAL

Weight, Max.	0.04	oz
Size (Dia. x Length Hex x Height)	0.25 x 0.43 x 0.215	in
Mounting Provision	[1]	
Connector, Radially Mounted [2]	3-56	
Case Material	Titanium	
Sensing Element	Ceramic	
Material Mode	Shear	

ENGLISH		SI	
Weight, Max.	0.04	oz	1.1
Size (Dia. x Length Hex x Height)	0.25 x 0.43 x 0.215	in	6.4 x 10.9 x 5.5
Mounting Provision	[1]		[1]
Connector, Radially Mounted [2]	3-56		3-56
Case Material	Titanium		Titanium
Sensing Element	Ceramic		Ceramic
Material Mode	Shear		Shear

PERFORMANCE

Sensitivity, ± 10% [3]	100	mV/g
Range F.S For ± 5 Volts Out	± 50	g's
Frequency Response, +/- 10%	2 to 10,000	Hz
Mounted Resonant Frequency	> 40	kHz
Amplitude Non-Linearity [4]	2	% F.S
Transverse Sensitivity, Max.	5	%
Noise Resolution	0.0007	grms
Strain Sensitivity @250µε	0.05	g/µε

Sensitivity, ± 10% [3]	10.2	mV/m/s ²
Range F.S For ± 5 Volts Out	± 490.5	m/s ²
Frequency Response, +/- 10%	2 to 10,000	Hz
Mounted Resonant Frequency	> 40	kHz
Amplitude Non-Linearity [4]	2	% F.S
Transverse Sensitivity, Max.	5	%
Noise Resolution	0.01	m/s ² rms
Strain Sensitivity @250µε	0.49	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration	400	Grms
Maximum Shock	5000	Gpeak
Temperature Range	-60 to +220	°F
Environmental Seal	Hermetic	

Maximum Vibration	3924	m/s ² rms
Maximum Shock	49050	m/s ² peak
Temperature Range	-51 to +104	°C
Environmental Seal	Hermetic	

ELECTRICAL

Supply Current [5]	2 to 20	mA
Compliance Voltage	+18 to +30	Volts
Output Impedance, Typ.	70	Ω
Bias Voltage	+11 to +13	VDC
Discharge Time Constant	0.2 to 1.0	Sec
TEDS Feature	IEEE 1451.4	

Supply Current [5]	2 to 20	mA
Compliance Voltage	+18 to +30	Volts
Output Impedance, Typ.	70	Ω
Bias Voltage	+11 to +13	VDC
Discharge Time Constant	0.2 to 1.0	Sec
TEDS Feature	IEEE 1451.4	

This family also includes:

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

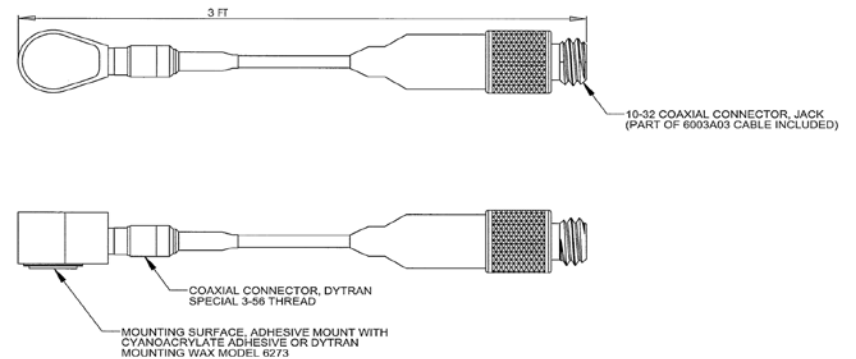
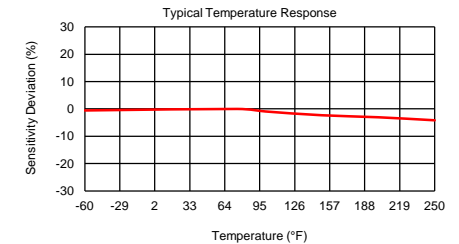
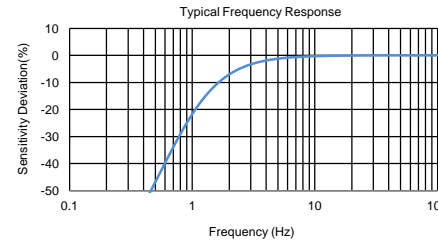
Refer to the performance specifications of the products in this family for detailed description.

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] Mates with Dytran cable 6003A
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser 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 127-3225M24T for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880
www.dytran.com For permission to reprint this content, please contact info@dytran.com