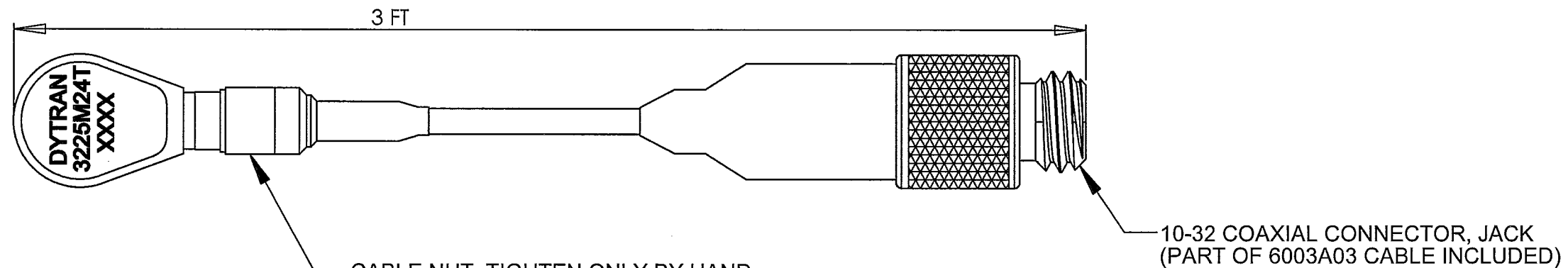
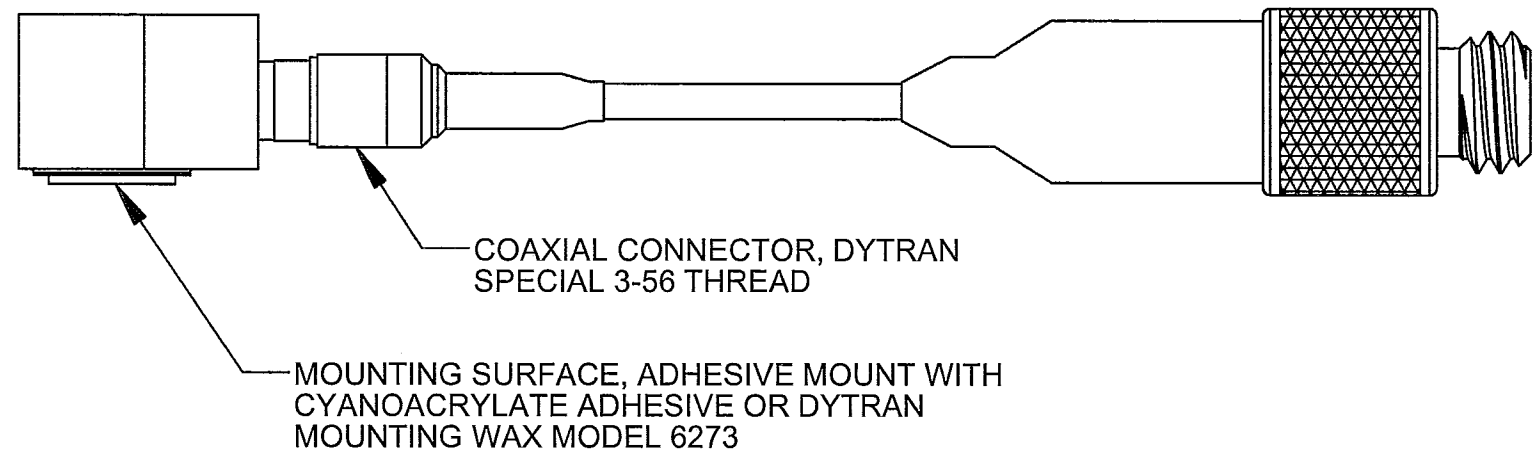


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5254	INITIAL RELEASE	DV, 6/2/08	CES	DV
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	<i>FL</i>	<i>DV</i>



1 (+)



- RECOMMENDED MOUNTING: CYANOACRYLATE.
- CASE AND CONNECTOR MATERIAL: TITANIUM.
- 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	ANGLES
.XX ± .010	± 1°
.XXX ± .005	

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS

ORIG	DV	5/30/08
CHK	CES	06/13/08
APP	DV	06/13/08
APP	<i>DV</i>	5/8/13

DATE

DATE

DATE



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 C, ECN 13568, 07/20/17



- **MINIATURE SIZE**
- **REMOVABLE CABLE WITH 10-32 CONNECTOR**
- **HERMETICALLY SEALED**
- **TEDS FEATURE**

**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

**PHYSICAL**

Weight, Max.  
Size (Dia. x Length Hex x Height)  
Mounting Provision  
Connector, Radially Mounted [2]  
Case Material  
Sensing Element

Material  
Mode

ENGLISH		SI	
0.04	oz	1.1	grams
0.25 x 0.43 x 0.215	in	6.4 x 10.9 x 5.5	mm
[1]		[1]	
3-56		3-56	
Titanium		Titanium	
Ceramic		Ceramic	
Shear		Shear	

**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/μe

100	mV/g	10.2	mV/m/s <sup>2</sup>
± 50	g's	± 490.5	m/s <sup>2</sup>
2 to 10,000	Hz	2 to 10,000	Hz
> 40	kHz	> 40	kHz
2	% F.S	2	% F.S
5	%	5	%
0.0007	grms	0.01	m/s <sup>2</sup> rms
0.05	g/μe	0.49	m/s <sup>2</sup> /μe

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
TEDS Operating Temp.  
Environmental Seal

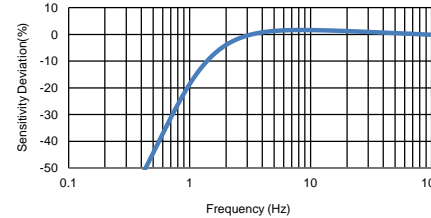
400	Grms	3924	m/s <sup>2</sup> rms
5000	Gpeak	49050	m/s <sup>2</sup> peak
-60 to +220	°F	-51 to +104	°C
-40 to +185	°F	-40 to +85	°C
Hermetic		Hermetic	

**ELECTRICAL**

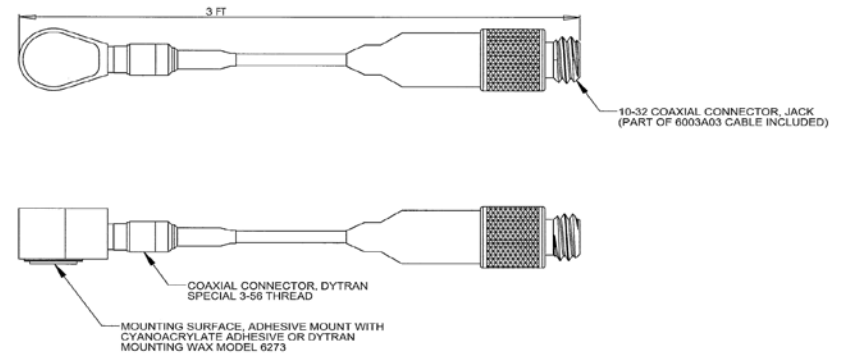
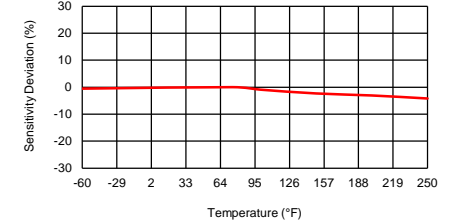
Supply Current [5]  
Compliance Voltage  
Output Impedance, Typ.  
Bias Voltage  
Discharge Time Constant  
TEDS Feature

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
70	Ω	70	Ω
+11 to +13	VDC	+11 to +13	VDC
0.2 to 1.0	Sec	0.2 to 1.0	Sec
IEEE 1451.4		IEEE 1451.4	

Typical Frequency Response



Typical Temperature Response



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  
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