

4

3

2

1

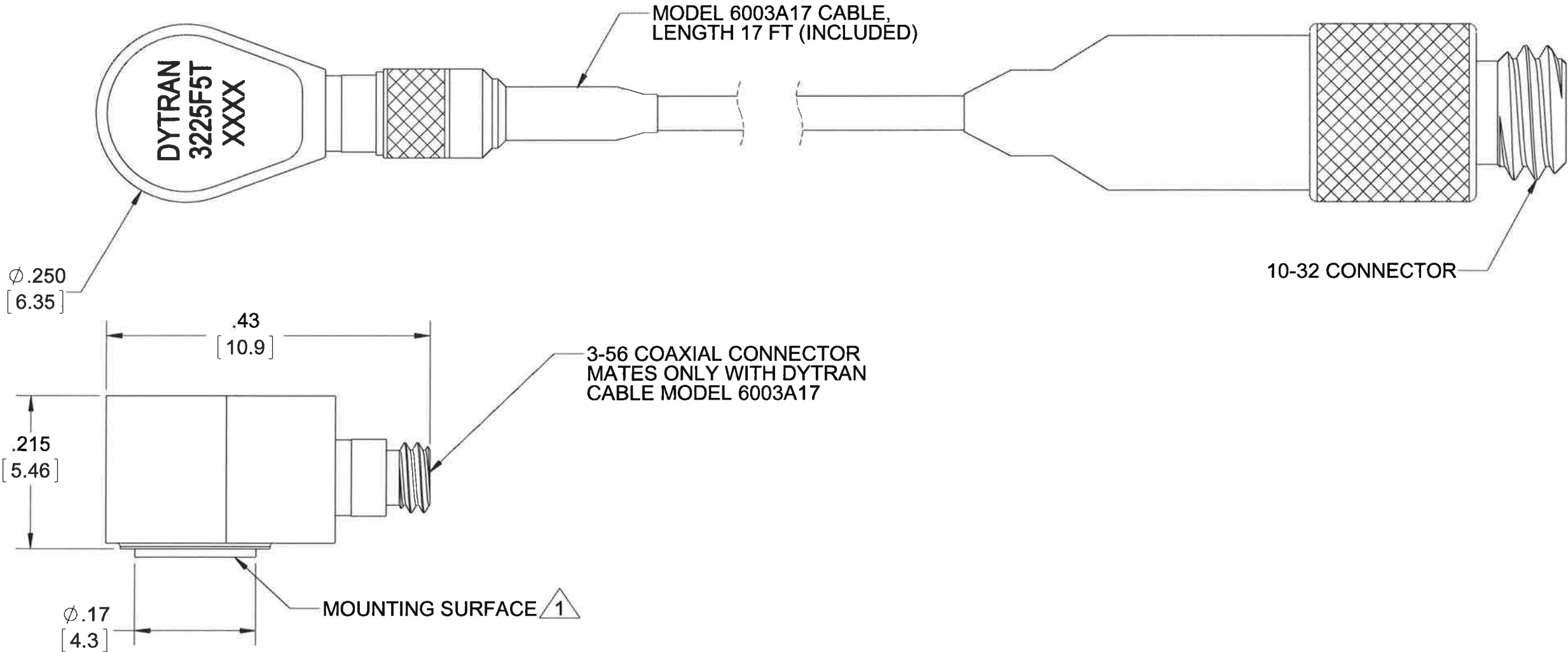
PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

DWG NO 127-3225F5T SH 1 REV A

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9949	INITIAL RELEASE	AB 05/16/13	94	



- 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.85 GRAMS MAX.
- 1 RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE OR
DYTRAN MOUNTING WAX MODEL 6273.
- NOTES: UNLESS OTHERWISE SPECIFIED

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.
DIMENSIONS APPLY AFTER FINISHING.

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.


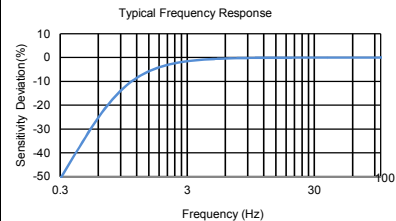
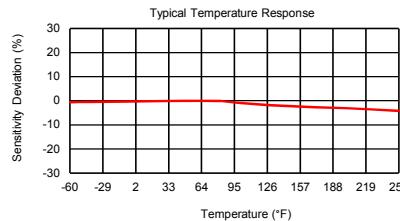
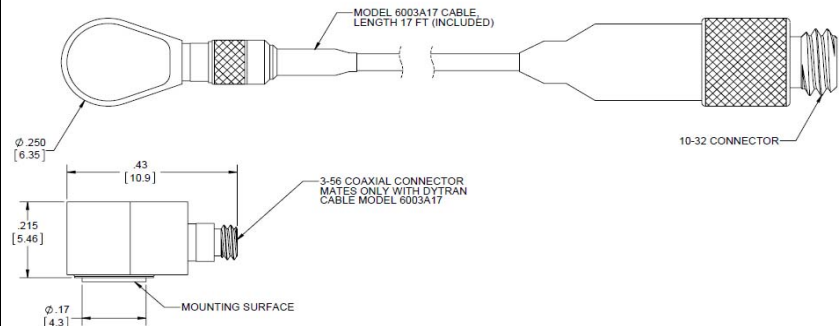

UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25	
APPROVALS		DATE
ORIG	AB	05/13/13
CHK	94	05/16/13
APP		5/16/13
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA

MASTER
ONLY IF IN RED
Chatsworth, CA

TITLE: **OUTLINE INSTALLATION
DRAWING 3225F5T**

SIZE B	CAGE CODE 2W033	DWG NO 127-3225F5T	REV A
------------------	---------------------------	------------------------------	-----------------

SCALE: NONE SHEET 1 OF 1

MODEL NUMBER 3225F5T		PERFORMANCE SPECIFICATION				DOC NO. PS3225F5T																			
		ACCELEROMETER , IEPE				REV F, ECN 14312, 07/12/18																			
		<ul style="list-style-type: none">• MINIATURE SIZE• REMOVABLE CABLE WITH 10-32 CONNECTOR• TEDS FEATURE				<p>This family also includes:</p> <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g's)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td>3225F1T</td><td>10</td><td>500</td><td>0.007</td><td>-60 TO 250</td><td>0.3 TO 0.6</td></tr><tr><td>3225F4T</td><td>1</td><td>500</td><td>0.007</td><td>-60 TO 250</td><td>0.3 TO 0.6</td></tr></table> <p>Refer to the performance specifications of the products in this family for detailed description.</p> <p>Supplied Accessories</p> <ol style="list-style-type: none">1) Model 6591A installation wrench2) Model 6298 small petro mounting wax3) Accredited calibration certificate (ISO 17025) <p>Notes:</p> <ol style="list-style-type: none">[1] Flat mounting surface for adhesive mount.[2] Mates with Dytran cable 6003A17[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[6] In the interest of constant product improvement, we reserve the right to change specifications without notice.[7] Typical. Not to exceed .010 Grms [.10 m/s²].		Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC	3225F1T	10	500	0.007	-60 TO 250	0.3 TO 0.6	3225F4T	1	500	0.007	-60 TO 250	0.3 TO 0.6
Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC																				
3225F1T	10	500	0.007	-60 TO 250	0.3 TO 0.6																				
3225F4T	1	500	0.007	-60 TO 250	0.3 TO 0.6																				
		ENGLISH		SI																					
PHYSICAL																									
Weight, Max	(Less Cable)	0.03	oz	0.85	grams																				
Mounting Provision		[1]		[1]																					
Connector [2]	Radially Mounted	3-56		3-56																					
Case Material		Titanium		Titanium																					
Sensing Element	Material	Quartz		Quartz																					
	Mode	Shear		Shear																					
PERFORMANCE																									
Sensitivity, ± 10% [3]		10	mV/g	1.02	mV/m/s ²																				
Range F.S For ± 5 Volts Out		± 500	g's	± 4905	m/s ²																				
Frequency Response, +/- 10%		1.0 to 10000	Hz	1.0 to 10000	Hz																				
Mounted Resonant Frequency		> 60	kHz	> 60	kHz																				
Amplitude Non-Linearity [4]		2	%F.S	2	%F.S																				
Transverse Sensitivity, Max		5	%	5	%																				
Noise Resolution [7]		0.007	grms	0.07	m/s ² rms																				
Strain Sensitivity @250/με		0.0005	g/με	0.0049	m/s ² /με																				
ENVIRONMENTAL																									
Maximum Vibration		7000	Grms	68600	m/s ² rms																				
Maximum Shock		6000	Gpeak	58800	m/s ² peak																				
Temperature Range		-60 to +250	°F	-51 to +121	°C																				
TEDS Operating Temp.		-40 to +185	°F	-40 to +85	°C																				
Environmental Seal		HERMETIC		HERMETIC																					
ELECTRICAL																									
Supply Current/Compliance Voltage Range [5]		2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts																				
Output Impedance, TYP		100	Ω	100	Ω																				
Bias Voltage		+7 to +9	VDC	+7 to +9	VDC																				
Discharge Time Constant		0.2 to 1.5	Sec	0.2 to 1.5	Sec																				
TEDS Feature		IEEE 1451.4		IEEE 1451.4																					
																									
																									
																									
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F5T 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																							