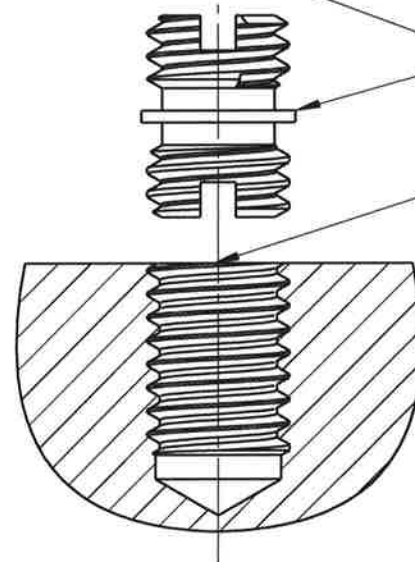
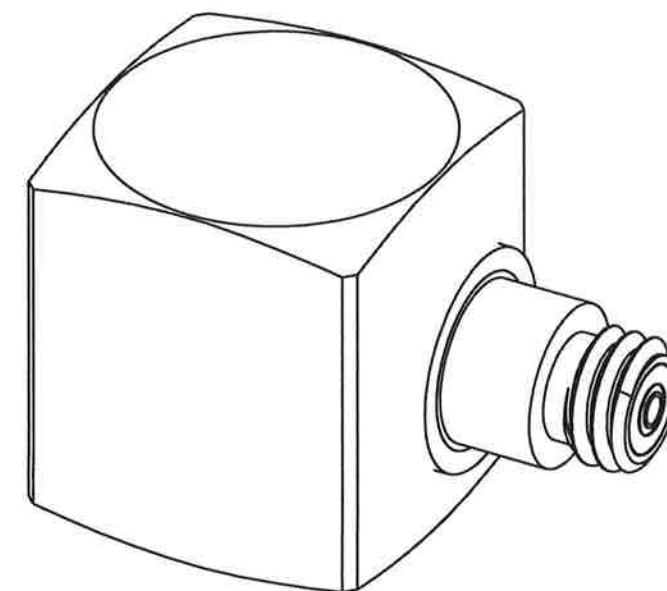
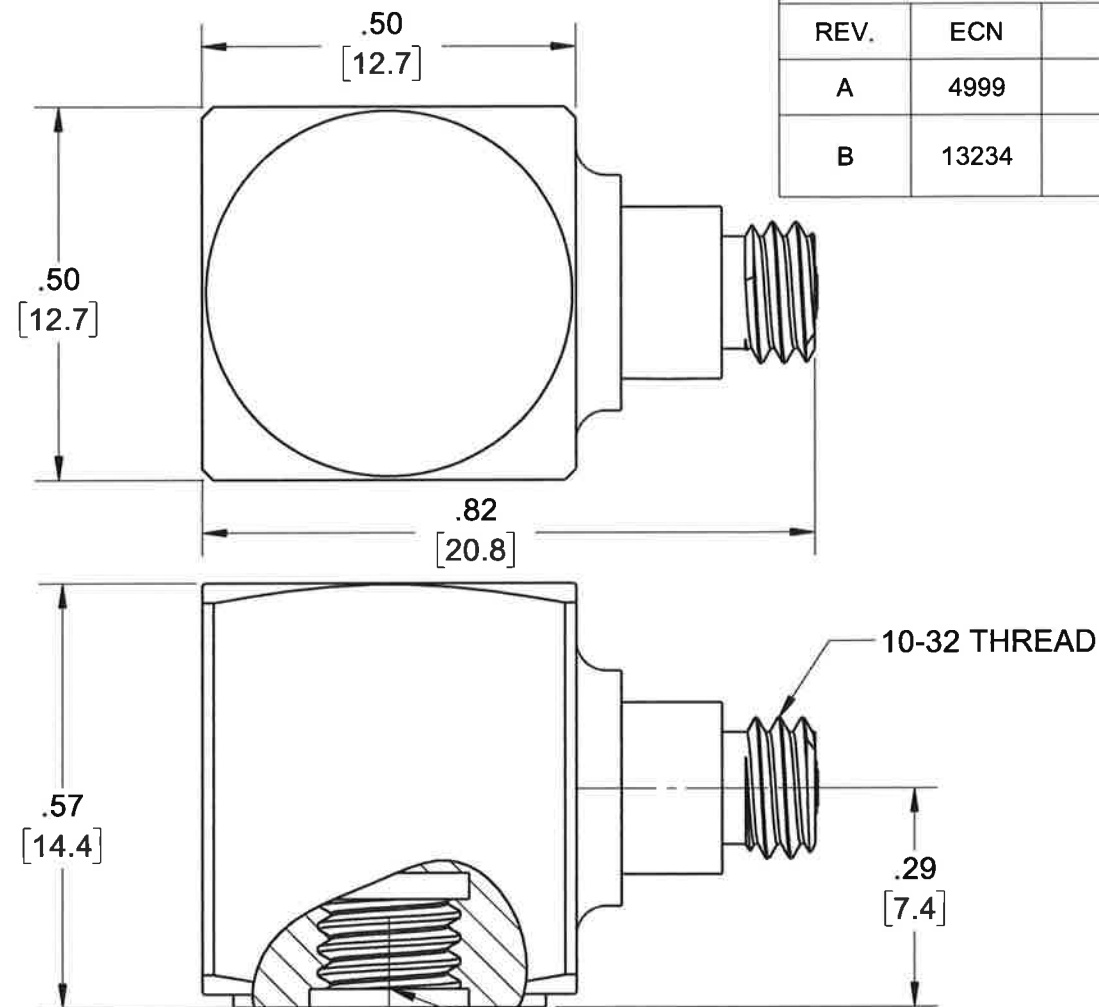


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4999	INITIAL RELEASE	JS 01/15/08	CES	PML
B	13234	SEE ECN	RA, 01/25/17	LA	W



10-32 UNF-2B

MODEL 6200
MOUNTING STUD,
PROVIDEDRECOMMENDED MOUNTING PREP:
PREPARE MOUNTING SURFACE,
Ø.80 [20.3] MIN., FLAT TO .001 TIR.
TAP 10-32 UNF-2B .25 [6.4] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

8. SEAL: HERMETIC
7. MATING CABLE: 6010AXX, 6011AXX, XX=LENGTH IN FEET.
6. SENSITIVITY: SEE CHART
5. OPERATING TEMPERATURE RANGE: -60°F TO +250°F
[-51°C TO +121°C]
4. TEDS OPERATING TEMPERATURE: -40°F TO +185°F
[-40°C TO +85°C]

3 ARROW INDICATES DIRECTION OF ACCELERATION
FOR POSITIVE OUTPUT

2. WEIGHT: .35oz [10 GRAMS]

1. HOUSING/ CONNECTOR MATERIAL: Ti-6AL-4V

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL NO	REV	DATE	ECN	SENS
3214A1T	B	01/24/17	13234	10mV/g
3214A2T	B	01/24/17	13234	100mV/g
3214A3T	B	01/24/17	13234	500mV/g

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 ARE IN INCHES.
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	JS	01/15/08
CHK	RA	01/18/08
APP	PML	01/18/08

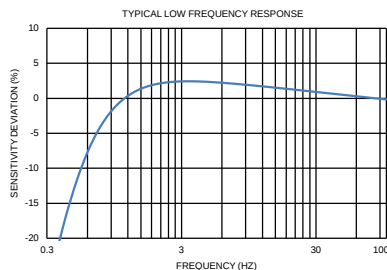
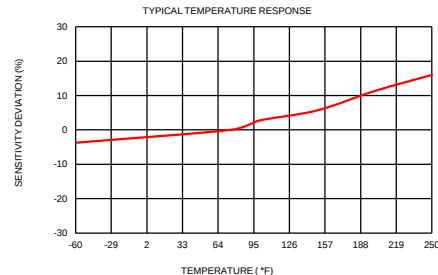
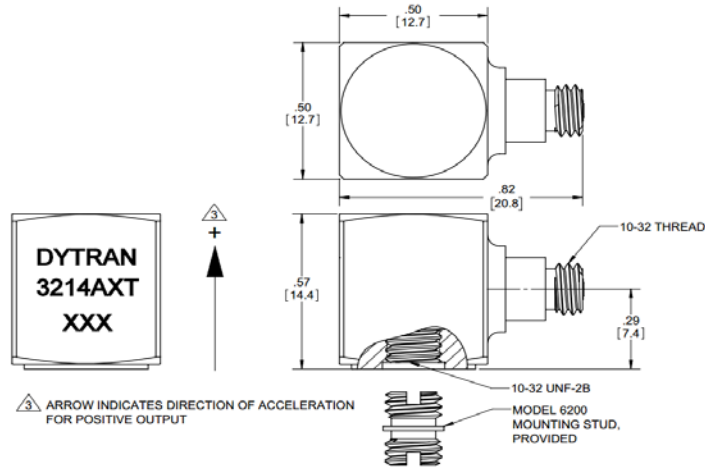
DO NOT SCALE DRAWING



TITLE: **OUTLINE/INSTALLATION
DRAWING, 3214AXT SERIES**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3214AT	B

SCALE: 4:1 SHEET 1 OF 1

Model Number 3214A1T		PERFORMANCE SPECIFICATIONS				DOC NO PS3214A1T	
		IEPE ACCELEROMETER				REV B, ECN 13234, 01/27/17	
		• HERMETICALLY SEALED • IDEAL LOW FREQUENCY RESPONSE • TEDS FEATURE					
		ENGLISH		SI			
PHYSICAL							
Weight		0.35	oz	10	grams		
Connector	Type	10-32		10-32			
Mounting Provision	Tapped Hole	10-32 X .150 ↓		10-32 X .150 ↓			
Material, Housing/Connector		Titanium		Titanium			
Sensing Element		Ceramic		Ceramic			
Element Style		Planar Shear		Planar Shear			
PERFORMANCE							
Sensitivity, ± 5% [1]		10	mV/g	1	mV/m/s ²		
Range for ± 5 Volts Output		500	g	4905	m/s ²		
Frequency Response, ± 10%		1 to 10000	Hz	1 to 10000	Hz		
Resonant Frequency		> 36	kHz	> 36	kHz		
Broad Band Resolution		0.0040	Grms	0.039	m/s ² rms		
Linearity [2]		± 1	% F.S.	± 1	% F.S.		
Maximum Transverse sensitivity		5	%	5	%		
Strain Sensitivity @ 250µε		0.002	g/µε	0.02	m/s ² /µε		
ENVIRONMENTAL							
Maximum Vibration		600	Gpeak	5886	m/s ² peak		
Maximum Shock		5000	Gpeak	49050	m/s ² peak		
Operating Temperature Range		-60 to +250	°F	-51 to 121	°C		
TEDS Operating Temperature		-40 to +185	°F	-40 to +85	°C		
Seal		Hermetic		Hermetic			
ELECTRICAL							
Supply Current Range [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		18 to +30	Volts	18 to +30	Volts		
Output Impedence, Typ		100	Ω	100	Ω		
Bias Voltage		11 to 13	VDC	11 to 13	VDC		
Discharge Time Constant		0.5 to 1.5	Sec	0.5 to 1.5	Sec		
TEDS		IEEE 1451.4		IEEE 1451.4			
		This family also includes:					
		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)	
		3214A2T	100	1 to 10000	0.5 to 1.5	-60 to +250	
		3214A3T	500	1 to 10000	0.5 to 1.5	-60 to +225	
		Refer to the performance specifications of the products in this family for detailed description					
		Supplied Accessories:					
		1) Accredited calibration certificate (ISO 17025)					
		2) Model 6200 mounting stud, qty 1					
		Notes:					
		[1] Measured at 100Hz, 1 Grms per ISA RP 37.2.					
		[2] Measure using zero-based straight line method, % of F.S. or any lesser range.					
		[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.					
		[4] In the interest of constant product improvement, we reserve the right to change specifications without notice.					
		[5] Mating Cable: 6010AXX, 6011AXX, XX = length in feet.					
							
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3214AT 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					