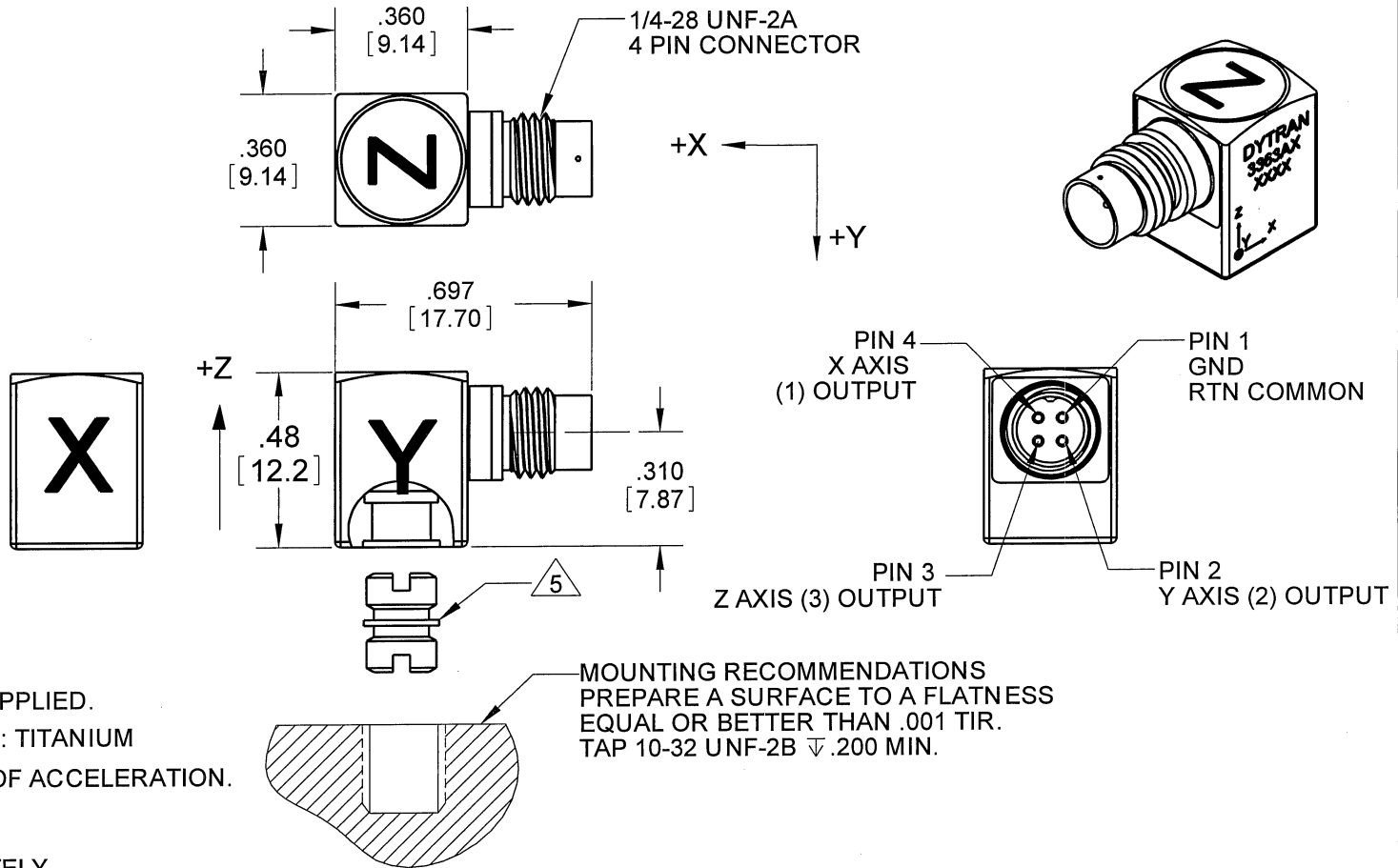


PROPRIETARY AND CONFIDENTIAL

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

MODEL	SENSITIVITY.
3363A1	10mV/G
3363A2	100mV/G
3363A3	50mV/G

REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6748	INITIAL RELEASE	RA 05/05/10		



- 5 MOUNTING STUD MODEL 6200 SUPPLIED.
4. HOUSING/CONNECTOR MATERIAL: TITANIUM
3. ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT.
2. SENSITIVITY: SEE CHART
1. WEIGHT: 4.0 GRAMS APPROXIMATELY
- 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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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: INCHES METRIC ANGLES .XX $\pm$.03 .X $\pm$ 0.8 $\pm$ 1° .XXX $\pm$.010 .XX $\pm$ 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.		
APPROVALS		
ORIG	RA	04/27/10
CHK		05/20/10
APP		5/24/10
APP		

 DYTRAN INSTRUMENTS, INC.		Chatsworth, CA	MASTER ONLY IF IN RED	
TITLE: OUTLINE/INSTALLATION DRAWING, 3363A SEIRES				
SIZE A	CAGE CODE 2W033	DWG. NO. 127-3363A	REV A	
SCALE: 4:1		SOLIDWORKS	SHEET 1 OF 1	

Model Number 3363A1		PERFORMANCE SPECIFICATION				DOC NO PS3363A1	
		Accelerometer, Triaxial, IEPE			REV A, ECN 6748 04/30/10		
 Actual Size		• ULTRA LOW FREQUENCY RESPONSE • ULTRA LOW NOISE LEVEL • STUD MOUNT					
		ENGLISH		SI			
PHYSICAL							
Weight		0.14	oz	4.0	grams		
Mounting		10-32 UNF-2B		10-32 UNF-2B			
Connector [1]	Type	4-pin		4-pin			
	Material	Ti-6 AL-4V		Ti-6 AL-4V			
Housing	Material	Ti-6 AL-4V		Ti-6 AL-4V			
	Isolation	Case ground		Case ground			
Sensing Element	Material	Ceramic		Ceramic			
	Mode	Shear		Shear			
PERFORMANCE							
Sensitivity, +15-10% [2]		10	mV/g	1.02	mV/m/s^2		
Acceleration Range		+/-500	Gpeak	+/-4905	m/s^2 peak		
Frequency Range, ±5%		.3-5,000	Hz	.3-5,000	Hz		
Frequency Range, +15/-10%		.21-10,000	Hz	.21-10,000	Hz		
Phase Response, ±5°		2 to 3000	Hz	2 to 3000	Hz		
Resonance Frequency		>24	kHz	>24	kHz		
Linearity [3]		1	%F.S.	1	%F.S.		
Transverse Sensitivity Max		5	%	5	%		
Noise floor		0.0012	Grms	0.012	m/s^2 rms		
Spectral Noise	1Hz	335	μGrms/sqr(Hz)	3286	μm/s^2 rms/sqr(Hz)		
	10Hz	58	μGrms/sqr(Hz)	569	μm/s^2 rms/sqr(Hz)		
	100Hz	36	μGrms/sqr(Hz)	353	μm/s^2 rms/sqr(Hz)		
	1000Hz	17	μGrms/sqr(Hz)	167	μm/s^2 rms/sqr(Hz)		
	10000Hz	9	μGrms/sqr(Hz)	88	μm/s^2 rms/sqr(Hz)		
ELECTRICAL							
Supply Current Range [4]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+18 to +30	VDC	+18 to +30	VDC		
Output Impedance, Typ.		100	Ω	100	Ω		
Output Bias Voltage		+11 to +13	VDC	+11 to +13	VDC		
Discharge Time Constant		1.0 to 1.4	sec	1.0 to 1.4	sec		
ENVIRONMENTAL							
Shock Max		5000	g pk	49050	m/s^2		
Vibration Max		3000	g pk	29430	m/s^2		
Operating Temperature		-60 to +250	°F	-51 to +121	°C		
Seal		Hermetic		Hermetic			
Magnetic Sensitivity at 100 Gauss		0.00007	g/Gauss	0.00069	m/s^2/Gauss		
Base Strain Sensitivity		0.02	g/με	0.20	m/s^2/με		



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