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MODEL	SENSITIVITY
3263A1T	10 mV/g
3263A2T	100 mV/g
3263A3T	50 mV/g

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4631	ADD: 3263A3T TO NOTE 4	R.L.A. 5/4/07	CES	CES
B	9338	UPDATED FORMAT, ZONE B3: ADDED MOUNTING STUD 6721 ZONE B3 ADDED MOUNTING NOTE ZONE C4 DIMENSION .44[11] WAS: .44 [11mm] DELETED NOTE 6	RA, 11/14/12	EM 11/16/21	DV
C	16423	STRIKETHROUGH NOTE 4. ADDED VARIATION TABLE.	AS 10/29/21	JB	AM

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	ANGLES ±1°
.XXX ±.010	.XX ±0.25	


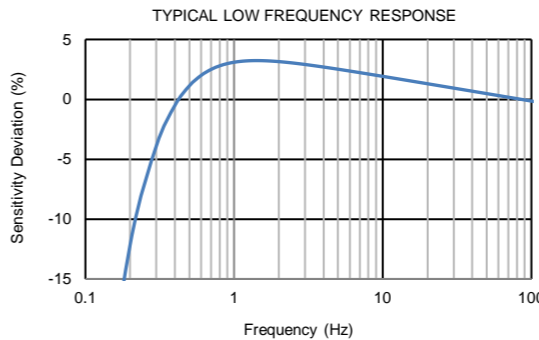
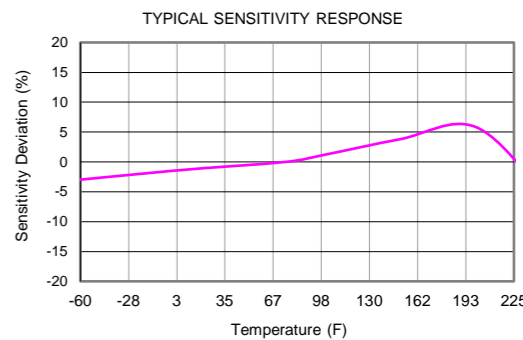
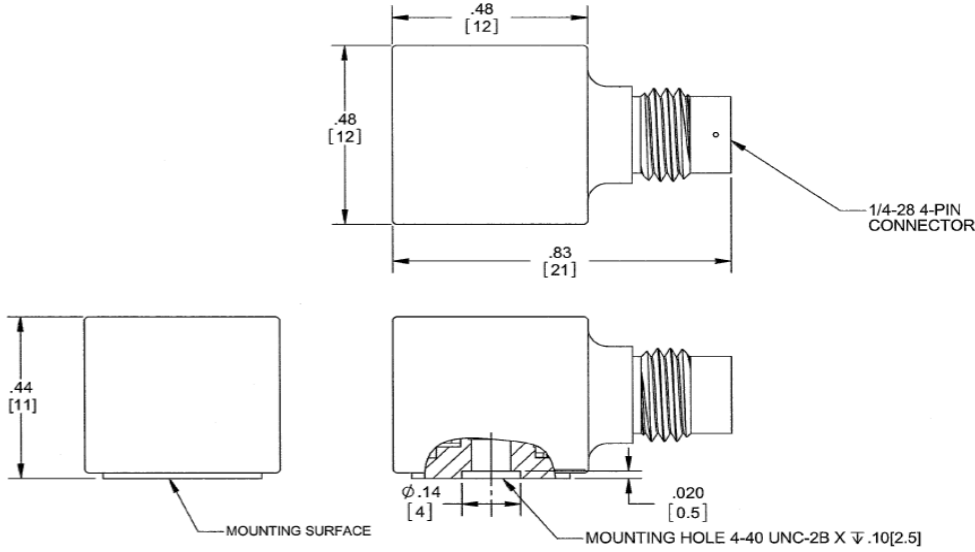
**DYTRAN**  
INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION  
DRAWING, MODEL 3263AT  
ACCELEROMETER**

SIZE	CAGE CODE	DWG NO	REV
<b>B</b>	<b>2W033</b>	<b>127-3263AT</b>	<b>C</b>

SCALE: 2:1

SHEET 1 OF 1

MODEL NUMBER 3263A2T		PERFORMANCE SPECIFICATION				DOC NO. PS3263A2T	
		TRIAxIAL ACCELEROMETER, IEPE				REV F, ECN 16994, 01/19/23	
		<ul style="list-style-type: none"><li>• TRIAXIAL ACCELEROMETER</li><li>• WITH TEDS FUNCTION</li><li>• HERMETICALLY SEALED</li></ul>					
		ENGLISH		SI			
<b>PHYSICAL</b>							
Weight, Max		0.20	oz	5.6	grams		
Mounting, Integral Thread		4-40 UNC-2B		4-40 UNC-2B			
Connector [1]	Type	4 PIN		4 PIN			
Material Body	Material	Titanium		Titanium			
Sensing Element	Material	Ceramic		Ceramic			
	Mode	Shear		Shear			
<b>PERFORMANCE</b>							
Sensitivity +/- 10% [2]		100	mV/g	10.2	mV/ m/s <sup>2</sup>		
Range F.S. For ± 5 Volts Output		± 50	g pk	± 490	m/s <sup>2</sup> pk		
Frequency Response, ±5%		0.5 to 4000	Hz	0.5 to 4000	Hz		
Frequency Range, -10% / +15%		0.3 to 10000	Hz	0.3 to 10000	Hz		
Resonant Frequency		>40	kHz	>40	kHz		
Linearity Max. [3]		± 1%	%F.S	± 1%	%F.S		
Transverse Sensitivity, Max.		6%		6%			
Equivalent Electrical Noise Floor,	25Hz-25kHz	0.0006	g RMS	0.006	m/s <sup>2</sup> RMS		
	1Hz-10kHz	0.0004	g RMS	0.004	m/s <sup>2</sup> RMS		
Strain Sensitivity @ 250µε		0.02	g/µε	0.20	m/s <sup>2</sup> /µε		
<b>ENVIRONMENTAL</b>							
Maximum Shock		5000	g pk	49050	m/s <sup>2</sup> pk		
Temperature Range		-60 to +225	°F	-51 to 107	°C		
TEDs Operating Temperature Range		-40 to +185	°F	-40 to +85	°C		
Seal		Hermetic		Hermetic			
<b>ELECTRICAL</b>							
Supply Current [4]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+18 to +30	V	+18 to +30	V		
Output Impedance, Typ.		150	Ω	150	Ω		
Bias Voltage		+11 to +13	VDC	+11 to +13	VDC		
Discharge Time Constant		1.2 to 2.2	sec	1.2 to 2.2	sec		
Ground Isolation		Case Grounded		Case Grounded			
IEPE Sensor with TEDS feature		IEEE 1451.4		IEEE 1451.4			
		<b>This family also includes:</b>					
		Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(°F)	TC
		3263A1T	10	500	0.001	-60 to +250	0.3 to 1.0
		3263A3T	50	100	0.001	-60 to +225	0.3 to 1.0
		Please, refer to the performance specifications of the products in this family for detailed description.					
		<b>SUPPLIED ACCESSORIES</b>					
		a) Model 6721 Mounted Stud, 4-40 UNC-2A to 4-40 UNC-2A					
		<b>Notes:</b>					
		[1] Connector mates with Dytran cable assembly Model 6811AXX (XX= length in feet)					
		[2] Measured at 100 Hz, 1 grms per ISA RP 37.2.					
		[3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.					
		[4] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.					
		[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.					
		It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.					
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3263AT for more information.					

