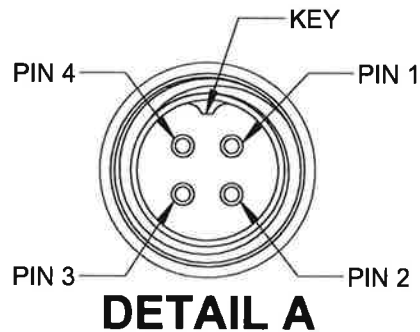


PROPRIETARY AND CONFIDENTIAL

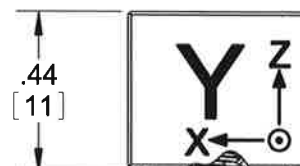
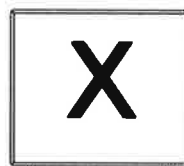
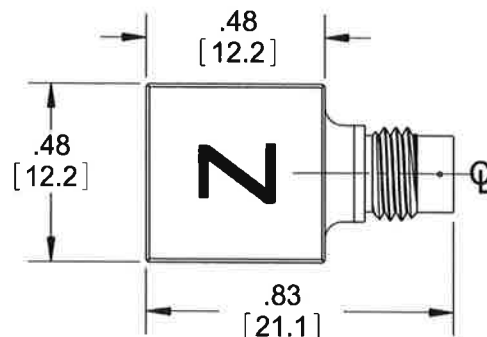
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REVISIONS

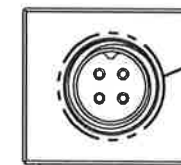
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11597	INITIAL RELEASE	JS 12/05/14	LA	R



**CONNECTOR PINOUT**  
 PIN 1 GND RETURN, COMMON  
 PIN 2 SIG/PWR AXIS 2 (Y)  
 PIN 3 SIG/PWR AXIS 3 (Z)  
 PIN 4 SIG/PWR AXIS 1 (X)



4 PIN CONNECTOR  
 1/4-28 UNF-2A



A

6 MOUNTING STUD 4-40 UNC-2A  
 (MODEL 6307 SUPPLIED)

5 MATES WITH DYTRAN CABLE  
 6811AXX (XX=LENGTH IN FEET)

- ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- HOUSING AND CONNECTOR MATERIAL: TITANIUM
- WEIGHT: 5.6 GRAMS MAX.
- ENVIRONMENTAL SEAL: HERMETIC

NOTES: UNLESS OTHERWISE SPECIFIED

Ø.14 [4] ±.02 [0.5]  
 4-40 UNC-2B ±.10 [2.5]  
 MOUNTING HOLE



MOUNTING SURFACE HOLE PREPARATION:  
 SELECT SURFACE FLAT TO .001 TIR  
 TAP 10-32 UNF-2B X .200 MIN THD DEPTH  
 RECOMMENDED MOUNTING TORQUE: 6-8 LB-IN.  
 FOR BEST FREQUENCY RESPONSE MOUNTING  
 SURFACE MUST CONTACT ENTIRE ACCELEROMETER  
 MOUNTING SURFACE.

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. 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.	
3263A9T	USED ON
APPLICATION	NEXT ASSY
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.


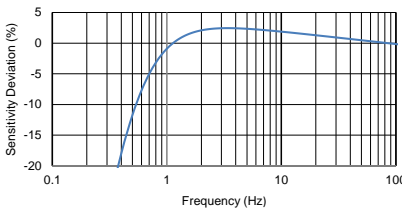
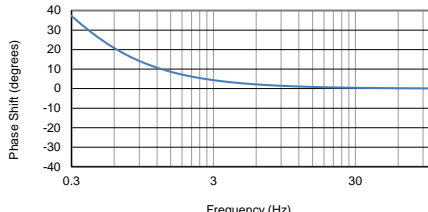
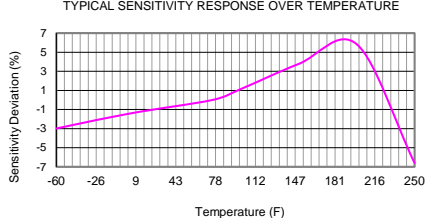
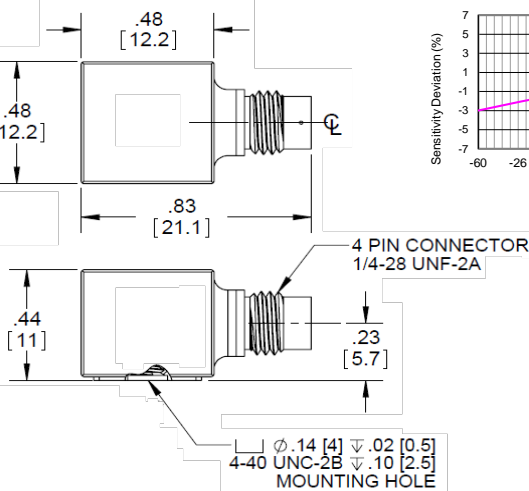



TITLE:

OUTLINE/INSTALLATION DWG,  
 MODEL 3263A9T

APPROVALS		DATE
ORIG	LN	12/02/14
CHK	LA	12/10/14
APP		
APP	for	12/10/14

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3263A9T	A
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER 3263A9T		PERFORMANCE SPECIFICATIONS				DOC NO. PS3263A9T																									
		TRIAxIAL ACCELEROMETER, IEPE				REV D, ECN 16994, 01/19/23																									
<div><p>ACTUAL SIZE</p></div>		<div><ul style="list-style-type: none"><li>• TRIAXIAL ACCELEROMETER</li><li>• HIGH SENSITIVITY</li><li>• WITH TEDS FUNCTION</li></ul></div>				<div><b>This family also includes:</b></div> <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC																		
Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC																										
Refer to the performance specifications of the products in this family for detailed description.																															
<b>SUPPLIED ACCESSORIES</b>																															
1) Accredited calibration certificate (ISO 17025)																															
2) Model 6307 mounted stud 4-40 to 10-32.																															
<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.																															
<b>PHYSICAL</b>		ENGLISH		SI																											
Weight, Max.		0.196	oz	5.6	grams																										
Mounting, Integral Thread		4-40 UNC-2B		4-40 UNC-2B																											
Connector [1]	Type	4 Pin		4 Pin																											
Material (Body & Connector)		Titanium Alloy		Titanium Alloy																											
Sensing Element	Material	Ceramic		Ceramic																											
	Mode	Shear		Shear																											
<b>PERFORMANCE</b>																															
Sensitivity ± 5% [2]		25	mV/g	2.55	mV/ m/s <sup>2</sup>																										
Range F.S. For ± 5 Volts Output		± 200	g pk	± 1962	m/s <sup>2</sup> pk																										
Frequency Range, ± 10%		0.7 to 7000	Hz	0.7 to 7000	Hz																										
Resonant Frequency		>24	kHz	>24	kHz																										
Linearity Max [3]		± 1%	%F.S	± 1%	%F.S																										
Transverse Sensitivity, Max.		6%		6%																											
Equivalent Electrical Noise Floor		0.004	g RMS	0.039	m/s <sup>2</sup> RMS																										
Spectral Noise	1Hz	400	µg RMS/√(Hz)	3924	µm/s <sup>2</sup> RMS/√(Hz)																										
	10Hz	200	µg RMS/√(Hz)	1962	µm/s <sup>2</sup> RMS/√(Hz)																										
	100Hz	40	µg RMS/√(Hz)	392.4	µm/s <sup>2</sup> RMS/√(Hz)																										
	1000Hz	40	µg RMS/√(Hz)	392.4	µm/s <sup>2</sup> RMS/√(Hz)																										
	10000Hz	20	µg RMS/√(Hz)	196.2	µm/s <sup>2</sup> RMS/√(Hz)																										
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 +250	°F	-51 to 121	°C																										
TEDS Operating Temperature		-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		0.5 to 1.5	sec	0.5 to 1.5	sec																										
IEPE Sensor with TEDS feature		IEEE 1451.4		IEEE 1451.4																											
																															
																															
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3263A9T for more information.																															
<div></div> <div>21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 <a href="http://www.dytran.com">www.dytran.com</a> For permission to reprint this content, please contact <a href="mailto:info@dytran.com">info@dytran.com</a></div>																															