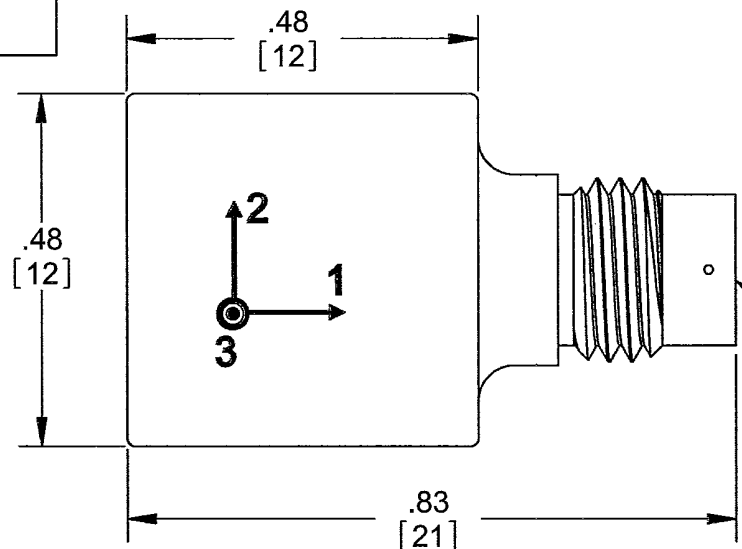


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REVISIONS

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 11/16/12	JW



1/4-28 4-PIN CONNECTOR

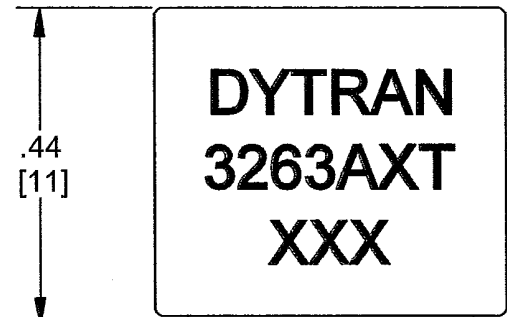
KEY

PIN 1
GND RETURN
COMMON

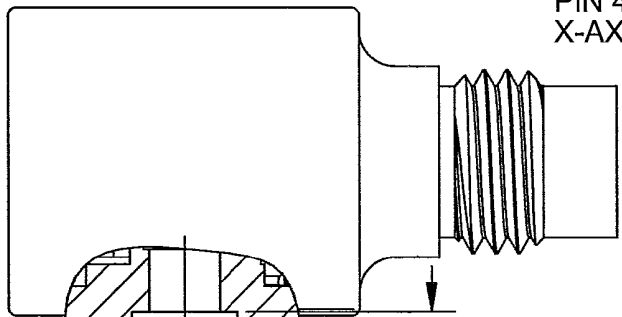
PIN 4
X-AXIS OUTPUT

PIN 3
Z-AXIS OUTPUT

PIN 2
Y-AXIS OUTPUT

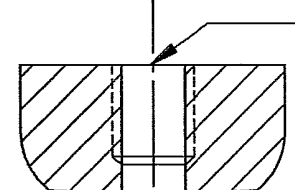


MOUNTING SURFACE



MOUNTING HOLE 4-40 UNC-2B X ∇ .10[2.5]

6721 MOUNTING STUD, SUPPLIED



MOUNTING RECOMMENDATIONS:
 PREPARE MOUNTING SURFACE FLAT TO .001TIR.
 TAP 4-40 UNC-2B ∇ .125 [3.2] MINIMUM.
 RECOMMENDED MOUNTING TORQUE: 6-8 LB IN.
 FOR BEST FREQUENCY RESPONSE MOUNTING SURFACE
 MUST CONTACT ENTIRE ACCELEROMETER MOUNTING
 SURFACE.

- 6. DELETED
- 5. EACH AXIS INCLUDES TEDS
- 4. SENSITIVITY:
 3263A1T: 10mV/g
 3263A2T: 100 mV/g
 3263A3T: 50mV/g
- 3. WEIGHT: 5.6 GRAMS NOMINAL

∇ 2 ARROWS INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. HOUSING MATERIAL: TITANIUM ALLOY

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 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	PML	09/09/06	
	CHK	PML	05/11/06	
APP	CES	05/04/07	SIZE B CAGE CODE 2W033 DWG NO 127-3263AT REV B	
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION	SCALE: 2:1	SHEET 1 OF 1

SPECIFICATIONS, MODEL 3263AT TRIAXIAL ACCELEROMETER WITH TEDS

SPECIFICATIONS	UNITS
PHYSICAL	
WEIGHT	5.6 grams
SIZE (WIDTH x HEIGHT)	0.48 x .48 inches
MOUNTING	4-40 INTERNAL THD
CONNECTOR [1]	4-PIN
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY

SPECIFICATIONS	3263A1T	3263A2T	3263A3T	UNITS
PERFORMANCE				
SENSITIVITY, $\pm 10\%$ [2]	10	100	50	mV/g
RANGE, F.S. (each axis)	± 500	± 50	100	g
FREQUENCY RESPONSE, -5 / +15%	1.5 to 10000	1.5 to 10000	1.5 to 10000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	40	40	40	kHz
ELECTRICAL NOISE FLOOR (25Hz-25kHz)	.0008	.0006	.0008	grms
(1Hz-10kHz)	.001	.0004	.001	grms
LINEARITY, MAX [3]	1	1	1	% FS
TRANSVERSE SENSITIVITY, MAX	6	6	6	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING			

ENVIRONMENTAL

MAXIMUM VIBRATION	± 600	gpk
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 to +250	°F
TEDS OPERATING TEMPERATURE RANGE	-60 to +180	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F

ELECTRICAL

SUPPLY CURRENT RANGE, (each axis) [4]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	150	Ohms
OUTPUT BIAS VOLTAGE	+11 to +13	VDC
DISCHARGE TIME CONSTANT	0.3 to 1.0	sec
GROUND ISOLATION	CASE GROUNDED	
IEPE SENSOR WITH TEDS FEATURE	PER IEEE 1451.4	

[1] Connector mates with Dytran cable assy. Model 6811AXX. (XX = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 grms per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best-fit straight-line method.

[4] Power only with LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.