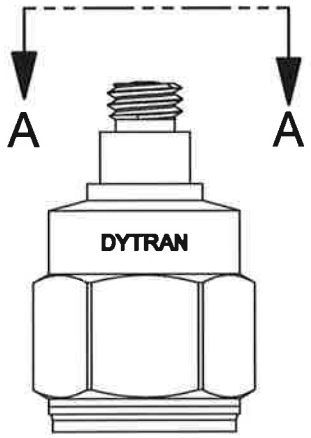
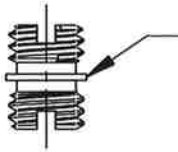
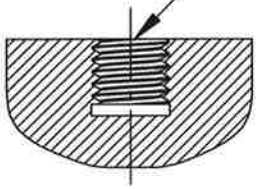
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10761	REVISED LASER MARKING, SEE ECN	EC 02/25/14	AS	DV
B	13825	OBSOLETED MODEL 3056B3T	EM 11/07/17		

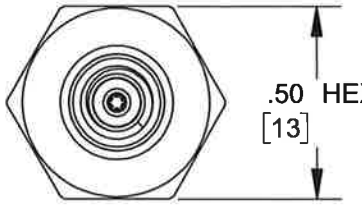




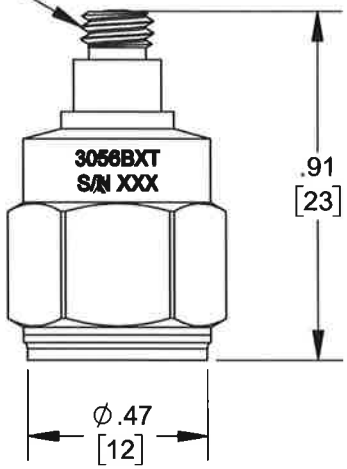
MODEL 6200 MOUNTING STUD, PROVIDED



MOUNTING SURFACE HOLE PREPARATION:
SELECT SURFACE FLAT TO .001 TIR
TAP 10-32 UNF-2B X .200 MIN THD DEPTH



VIEW A-A

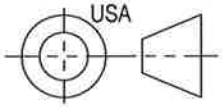


BACK VIEW

MODEL	SENSITVITY	RANGE
3056B1T	10 mV/g	±500g
3056B2T	100 mV/g	±50g
~~3056B3T~~	~~500 mV/g~~	~~±10g~~
3056B4T	20 mV/g	±250g
3056B5T	50 mV/g	±100g
3056B6T	200 mV/g	±25g

USED ON	NEXT ASSY
APPLICATION	

THIRD ANGLE PROJECTION



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.

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: TITANIUM ALLOY

FINISH:

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	PML	10/14/05
CHK	PML	10/14/05
APP	PML	10/14/05
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: OUTLINE/INSTALLATION DRAWING
3056BT SERIES ACCELEROMETERS
(TEDS)

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3056BT	B

SCALE: 2:1 | SOLIDWORKS | SHEET 1 OF 1

Model Number 3056B2T	PERFORMANCE SPECIFICATIONS	DOC NO PS3056B2T
	IEPE ACCELEROMETER	REV A, ECN 13592, 08/17/17

- **HERMETICALLY SEALED**
- **BASE ISOLATED**
- **TEDS FEATURE**

		ENGLISH		SI	
PHYSICAL					
Weight		0.35	oz	10.0	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]		100	mV/G	10.20	mV/m/s^2
Range for ± 5 Volts Output		50	G peak	491	m/s^2
Frequency Response, ±10%		1 to 10,000	Hz	1 to 10,000	Hz
Resonant Frequency		> 32	kHz	> 32	kHz
Broad Band Resolution		0.0004	G rms	0.004	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		400	G peak	3924	m/s^2 peak
Maximum Shock		2000	G peak	19620	m/s^2 peak
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 [2]		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		+9 to +13	VDC	+9 to +13	VDC
Discharge Time Constant		.5 to 1.5	Sec	.5 to 1.5	Sec
Electrical Isolation		10	GΩ,min	10	GΩ,min
TEDS Feature		IEEE 1451.4		IEEE 1451.4	

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
3056B1T	10	1 to 10000	0.5 to 1.5	-60 to +250
3056B3T	500	1 to 10000	0.5 to 1.5	-60 to +225
3056B4T	20	1 to 10000	0.5 to 1.5	-60 to +250
3056B5T	50	1 to 10000	0.5 to 1.5	-60 to +250
3056B6T	200	1 to 10000	0.5 to 1.5	-60 to +225
3056B7T	1	1 to 10000	0.5 to 1.5	-60 to +250
3056B8T	5	1 to 10000	0.5 to 1.5	-60 to +250

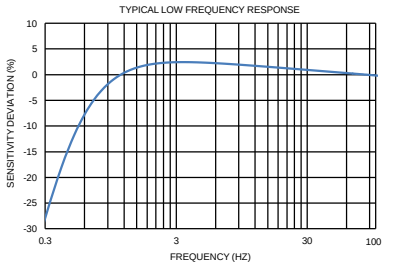
Refer to the performance specifications of the products in this family for detailed description

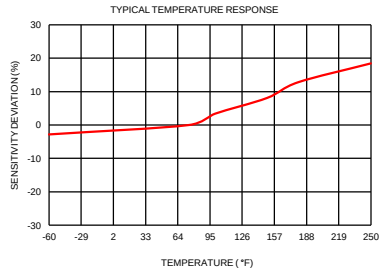
Supplied Accessories:

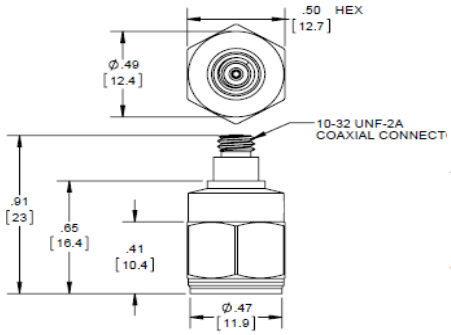
1) Accredited calibration certificate (ISO 17025)
2) Mounting Stud Model 6200.

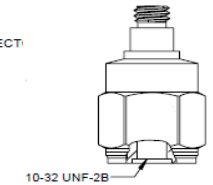
Notes:

[1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
[2] Measured 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.









Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3056BT for more information.

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