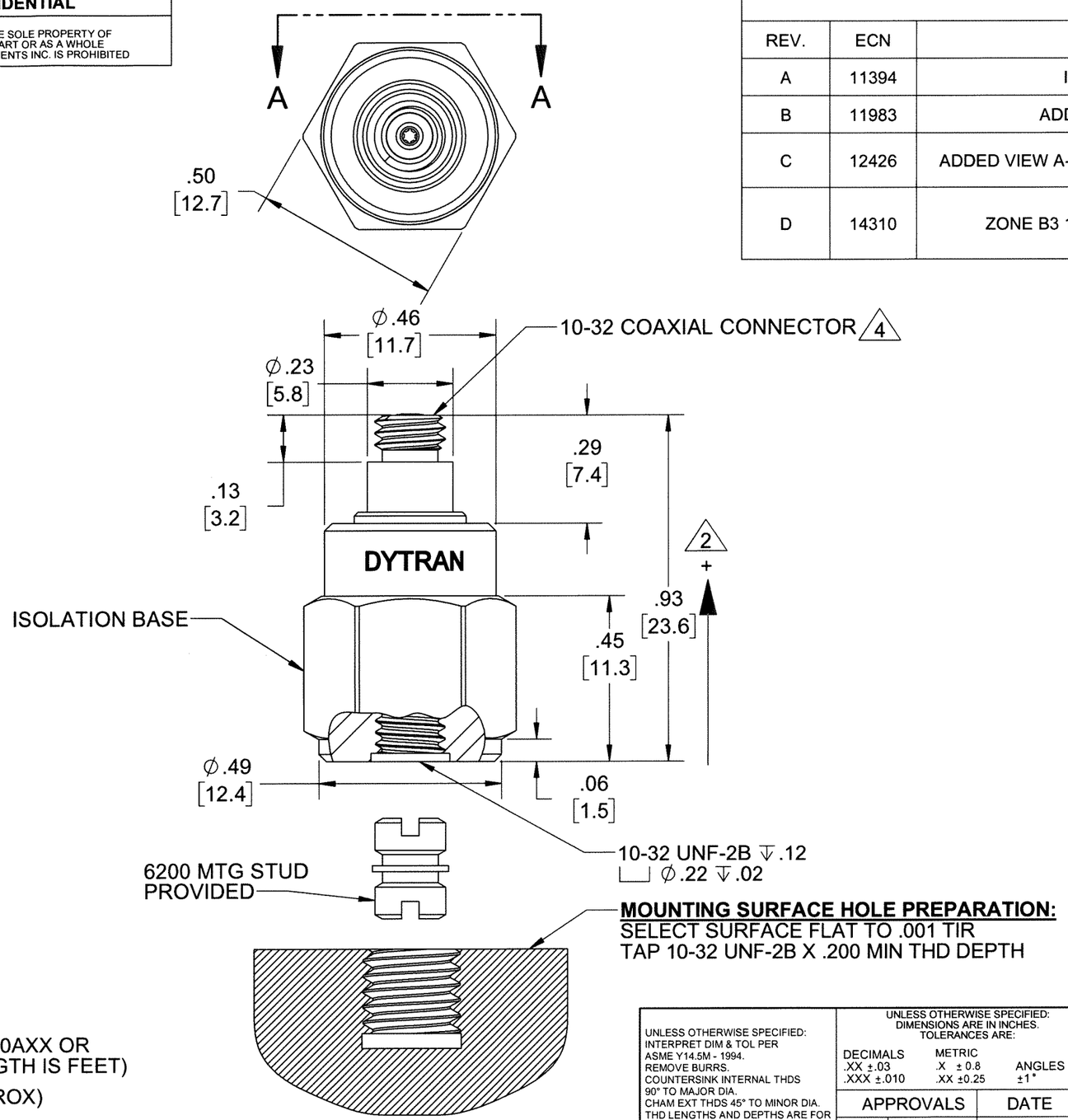
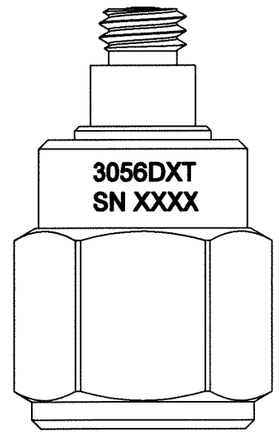
MODEL	SENSITIVITY
3056D1T	10 mV/g
3056D2T	100 mV/g
3056D3T	500 mV/g
3056D4T	20 mV/g
3056D5T	50 mV/g
3056D6T	200 mV/g
3056D7T	1 mV/g
3056D8T	5 mV/g

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11394	INITIAL RELEASE	RA 11/06/14	EM	DV
B	11983	ADDED 3056D7T & D8T	LA 05/18/15	RT	DV
C	12426	ADDED VIEW A-A, REMOVED ISOMETRIC VIEW	RA, 01/06/16	EM	LN
D	14310	ZONE B3 10-32 UNF WAS: 1032 UNC	RA, 07/10/18	LJ	MH





VIEW A-A
ROTATED 180°

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

4 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IS FEET)

3. WEIGHT: 10 GRAMS (APPROX)

2 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. 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.

63
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.
TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ±0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	RA	10/29/14
CHK	EM	12/12/14
APP	DV	12/17/14

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE: OUTLINE/INSTALLATION, MODEL 3056DXT

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3056DT	D

SCALE: 3:1 PART NO: SHEET 1 OF 1

172-0186 REV B

Model Number	PERFORMANCE SPECIFICATIONS	DOC NO
3056D5T		PS3056D5T
	IEPE ACCELEROMETER	REV F, ECN 13920, 12/21/17

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

		ENGLISH		SI	
PHYSICAL					
Weight		0.35	oz	10	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]		50	mV/G	5.1	mV/m/s^2
Range for ± 5 Volts Output		100	G peak	981	m/s^2
Frequency Response, ±10%		1 to 10,000	Hz	1 to 10,000	Hz
Resonant Frequency		> 36	kHz	> 36	kHz
Broad Band Resolution		0.0010	G rms	0.0098	m/s^2 rms
Linearity [2]		±1	% F.S.	±1	% F.S.
Maximum Transverse Sensitivity		5	%	5	%
Strain Sensitivity @ 250με		0.001	G/με	0.01	m/s^2/με
ENVIRONMENTAL					
Maximum Vibration		500	G peak	4905	m/s^2 peak
Maximum Shock		2000	G peak	19620	m/s^2 peak
Operating 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 [3]		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		IEEE 1451.4		IEEE 1451.4	

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
3056D1T	10	1 to 10000	0.5 to 1.5	-60 to +250
3056D2T	100	1 to 10000	0.5 to 1.5	-60 to +250
3056D3T	500	1 to 10000	0.5 to 1.5	-60 to +225
3056D4T	20	1 to 10000	0.5 to 1.5	-60 to +250
3056D6T	200	1 to 10000	0.5 to 1.5	-60 to +225
3056D7T	1	1 to 10000	0.5 to 1.5	-60 to +250
3056D8T	5	1 to 10000	0.5 to 1.5	-60 to +250

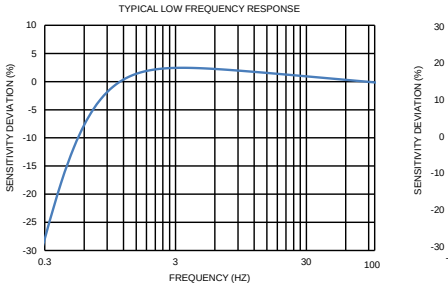
Refer to the performance specifications of the products in this family for detailed description

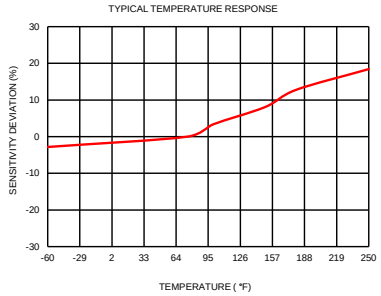
Supplied Accessories:

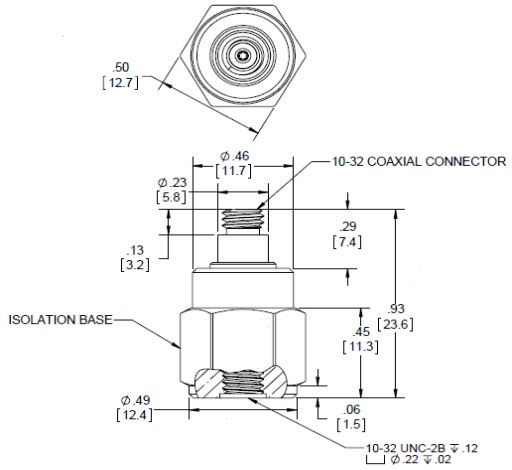
1) Accredited calibration certificate (ISO 17025)
2) Model 6200 mounting stud, QTY 1

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 127-3056DT for more information.

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