

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	W	MH

SOLE PROPERTY OF
ART OR AS A WHOLE
ENTS INC. IS PROHIBITED

REV.	ECN
A	1139
B	1198
C	1242
D	1431

Dimensions:

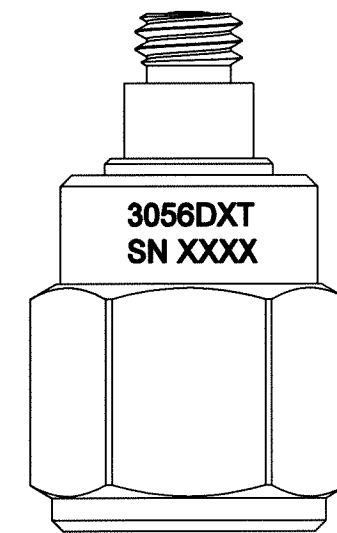
- Top View: Overall width .50 [12.7]
- Side View:
 - Coaxial Connector: $\phi .46$ [11.7]
 - Coaxial Connector Thread: $\phi .23$ [5.8]
 - Coaxial Connector Length: .29 [7.4]
 - Coaxial Connector to Base: .13 [3.2]
 - Base: .93 [23.6]
 - Base to Stud: .45 [11.3]
 - Base to Stud Thread: .06 [1.5]
 - Base to Stud Thread: $\phi .49$ [12.4]

Annotations:

- 10-32 COAXIAL CONNECTOR
- DYTRAN
- ISOLATION BASE
- 6200 MTG STUD PROVIDED
- 10-32 UNF-2B $\nabla .12$
 $\square \phi .22 \nabla .02$
- MOUNTING SURFACE HOLE
SELECT SURFACE FLAT TO
TAP 10-32 UNF-2B X .200 MIN

Notes:

- 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.



VIEW A-A
ROTATED 180°

4. MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IN FEET)
3. WEIGHT: 10 GRAMS (APPROX)
2. ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED

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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. $\checkmark$
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 $\pm$.03	.X $\pm$ 0.8	$\pm 1^\circ$
.XXX $\pm$.010	.XX $\pm$ 0.25	

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

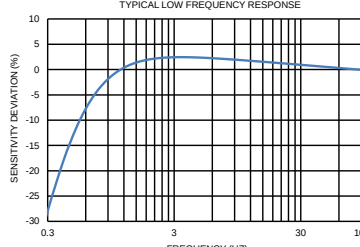
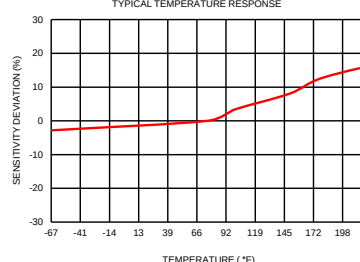
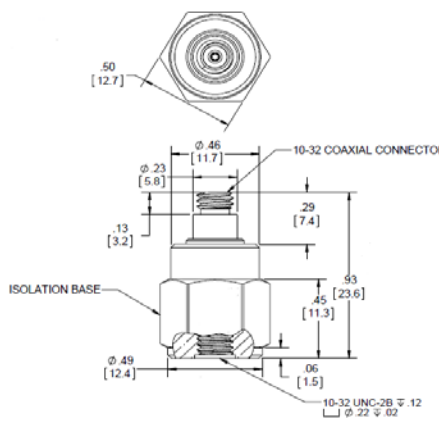
DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION USA
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DIYTRAN
INSTRUMENTS, INC. Chatsworth, CA

MASTER

TITLE: **ONLY IF IN RED**
OUTLINE/INSTALLATION,
MODEL 3056DXT

SIZE B	CAGE CODE 2W033	DWG NO 127-3056DT	REV D
SCALE: 3:1	PART NO:	SHEET 1 OF 1	

Model Number 3056D5T		PERFORMANCE SPECIFICATIONS				DOC NO PS3056D5T	
		IEPE ACCELEROMETER				REV G, ECN 16090, 03/02/21	
	• HERMETICALLY SEALED • BASE ISOLATED • TEDS						
	ENGLISH		SI				
	0.35	oz	10	grams			
	10-32		10-32				
	10-32 X .150 ↓		10-32 X .150 ↓				
	Titanium		Titanium				
	Ceramic		Ceramic				
	Planar Shear		Planar Shear				
PHYSICAL							
Weight	Type						
Connector	Tapped Hole						
Mounting Provision							
Material, Housing/Connector							
Sensing Element							
Element Style							
PERFORMANCE							
Sensitivity, ±5% [1]		50	mV/G	5.1	mV/m/s ²		
Range for ± 5 Volts Output		100	g pk	981	m/s ² pk		
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 Shock		2000	g pk	19620	m/s ² pk		
Operating Temperature Range		-67 to +225	°F	-55 to +107	°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 g RMS 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.							
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 127-3056DT for more information.							



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