

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		

FIG. 1 **COAXIAL CONNECTOR**

Dimensions:

- Top View: Overall diameter $\phi .50$ [12.7]
- Side View:
 - Top flange diameter: $\phi .46$ [11.7]
 - Threaded section diameter: $\phi .23$ [5.8]
 - Threaded section height: $.13$ [3.2]
 - Threaded section length: $.29$ [7.4]
 - Base diameter: $\phi .49$ [12.4]
 - Base height: $.45$ [11.3]
 - Base thickness: $.06$ [1.5]
 - Total height: $.93$ [23.6]

Thread Specifications:

- 10-32 COAXIAL CONNECTOR
- 10-32 UNF-2B $\nabla .12$
- $\square \phi .22 \nabla .02$

Other Labels:

- ISOLATION BASE
- 6200 MTG STUD PROVIDED
- MOUNTING SURFACE HOLE
- SELECT SURFACE FLAT TO
- TAP 10-32 UNF-2B X .200 MIN

REV.	ECN
A	1139
B	1198
C	1242
D	1431

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.

00AXX OR

NGTH IS FEET)

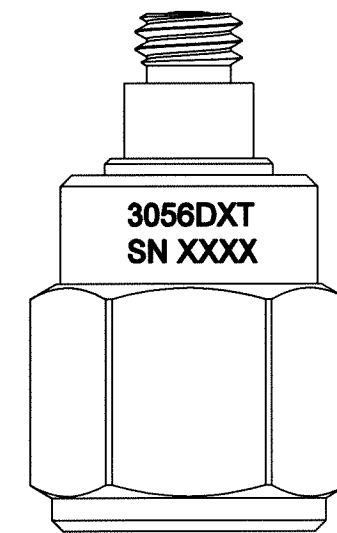
ROX)

DECIMAL

.XX $\pm .03$

.XXX $\pm .0$

APP



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

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. $\checkmark$
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	

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

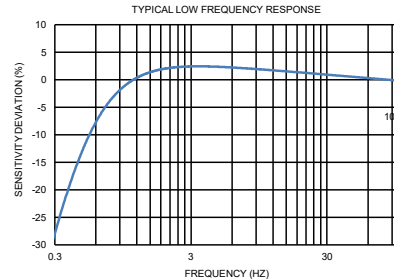
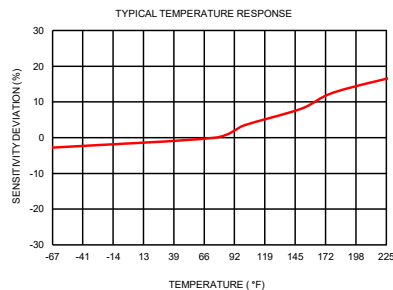
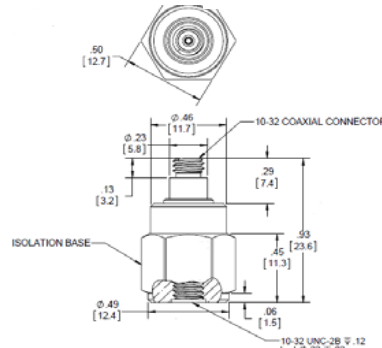
DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION USA 
----------------------	--

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		PERFORMANCE SPECIFICATIONS				DOC NO	
3056D2T		IEPE ACCELEROMETER				PS3056D2T	
						REV J, ECN 16259, 07/20/21	
	• HERMETICALLY SEALED • BASE ISOLATED • TEDS						
	ENGLISH		SI				
	Weight	0.35 oz	10	grams			
	Connector	10-32	10-32				
	Mounting Provision	10-32 X .150 ↓	10-32 X .150 ↓				
	Material, Housing/Connector	Titanium	Titanium				
	Sensing Element	Ceramic	Ceramic				
	Element Style	Planar Shear	Planar Shear				
	PHYSICAL						
	Type	Tapped Hole					
PERFORMANCE							
Sensitivity, ±5% [1] [5]	100	mV/G	10.2	mV/m/s ²			
Range for ± 5 Volts Output	50	g pk	491	m/s ² pk			
Frequency Response, ±5%	.71 to 7,000	Hz	.71 to 7,000	Hz			
Frequency Response, ±10%	.54 to 10,000	Hz	.54 to 10,000	Hz			
Resonant Frequency	> 36	kHz	> 36	kHz			
Broad Band Resolution	0.0004	g RMS	0.0039	m/s ² RMS			
Sprectral Noise	.1Hz	μg RMS/√(Hz)	239	μm/s ² RMS/√(Hz)			
	1Hz	μg RMS/√(Hz)	351	μm/s ² RMS/√(Hz)			
	10Hz	μg RMS/√(Hz)	136	μm/s ² RMS/√(Hz)			
	100Hz	μg RMS/√(Hz)	35	μm/s ² RMS/√(Hz)			
	1000Hz	μg RMS/√(Hz)	12	μm/s ² RMS/√(Hz)			
	10000Hz	μg RMS/√(Hz)	8	μm/s ² RMS/√(Hz)			
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			
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			
3056D5T	50	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 rights to change the 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.							
[5] All specifications are at room temperature unless otherwise specified.							
TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE  							
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3056DT for more information.							



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 www.dytran.com

For permission to reprint this content, please contact info@dytran.com