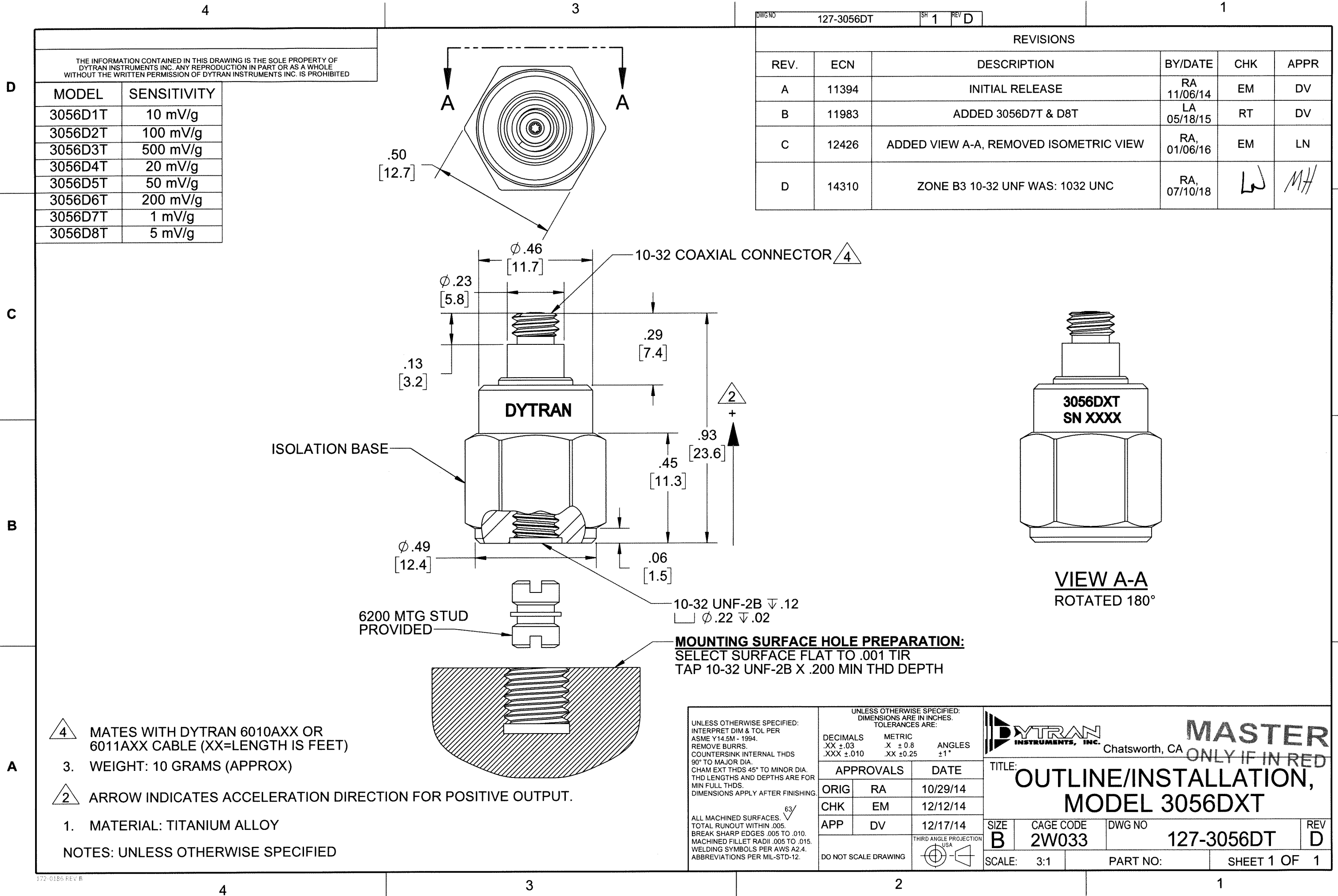




- 4 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IS FEET)
3. WEIGHT: 10 GRAMS (APPROX)
- 2 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. MATERIAL: TITANIUM ALLOY
- NOTES: UNLESS OTHERWISE SPECIFIED

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.

ALL MACHINED SURFACES. ⁶³
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

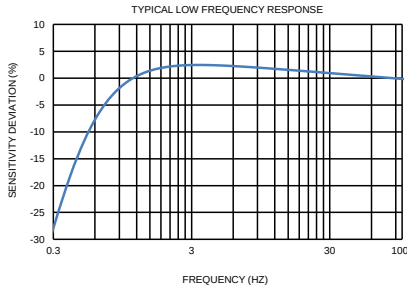
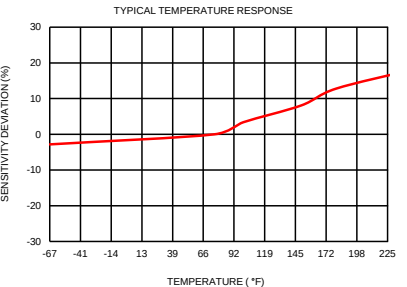
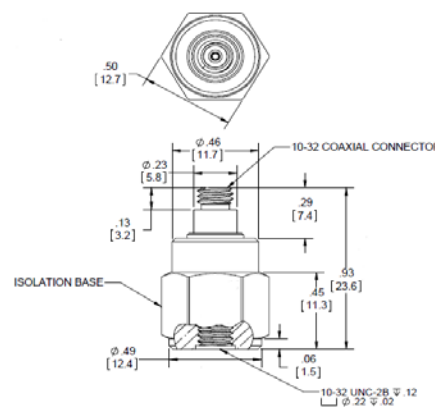
TITLE:
**OUTLINE/INSTALLATION,
MODEL 3056DXT**

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

SCALE: 3:1

PART NO:

SHEET 1 OF 1

Model Number 3056D7T		PERFORMANCE SPECIFICATIONS				DOC NO PS3056D7T																																									
		IEPE ACCELEROMETER				REV G, ECN 16090, 03/02/21																																									
		• HERMETICALLY SEALED • BASE ISOLATED • TEDS				This family also includes:																																									
						<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3056D1T</td><td>10</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3056D2T</td><td>100</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3056D3T</td><td>500</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +225</td></tr><tr><td>3056D4T</td><td>20</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3056D5T</td><td>50</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3056D6T</td><td>200</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +225</td></tr><tr><td>3056D8T</td><td>5</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr></table>		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	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	3056D8T	5	1 to 10000	0.5 to 1.5	-60 to +250
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						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.																																									
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]		1 mV/G		0.1 mV/m/s ²																																											
Range for ± 5 Volts Output		5,000 g pk		49050 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		0.009 g RMS		0.088 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		8000 g pk		78480 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																																											
																																															
																																															
																																															
						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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