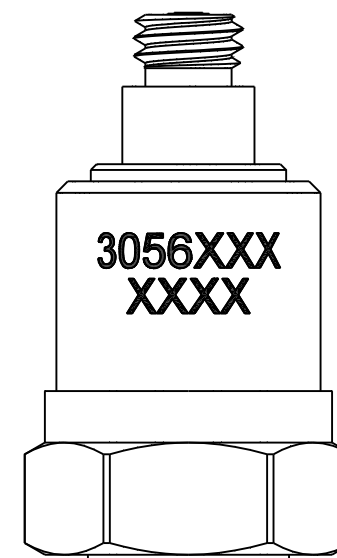
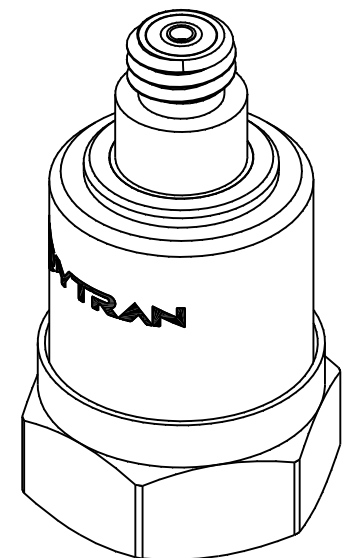
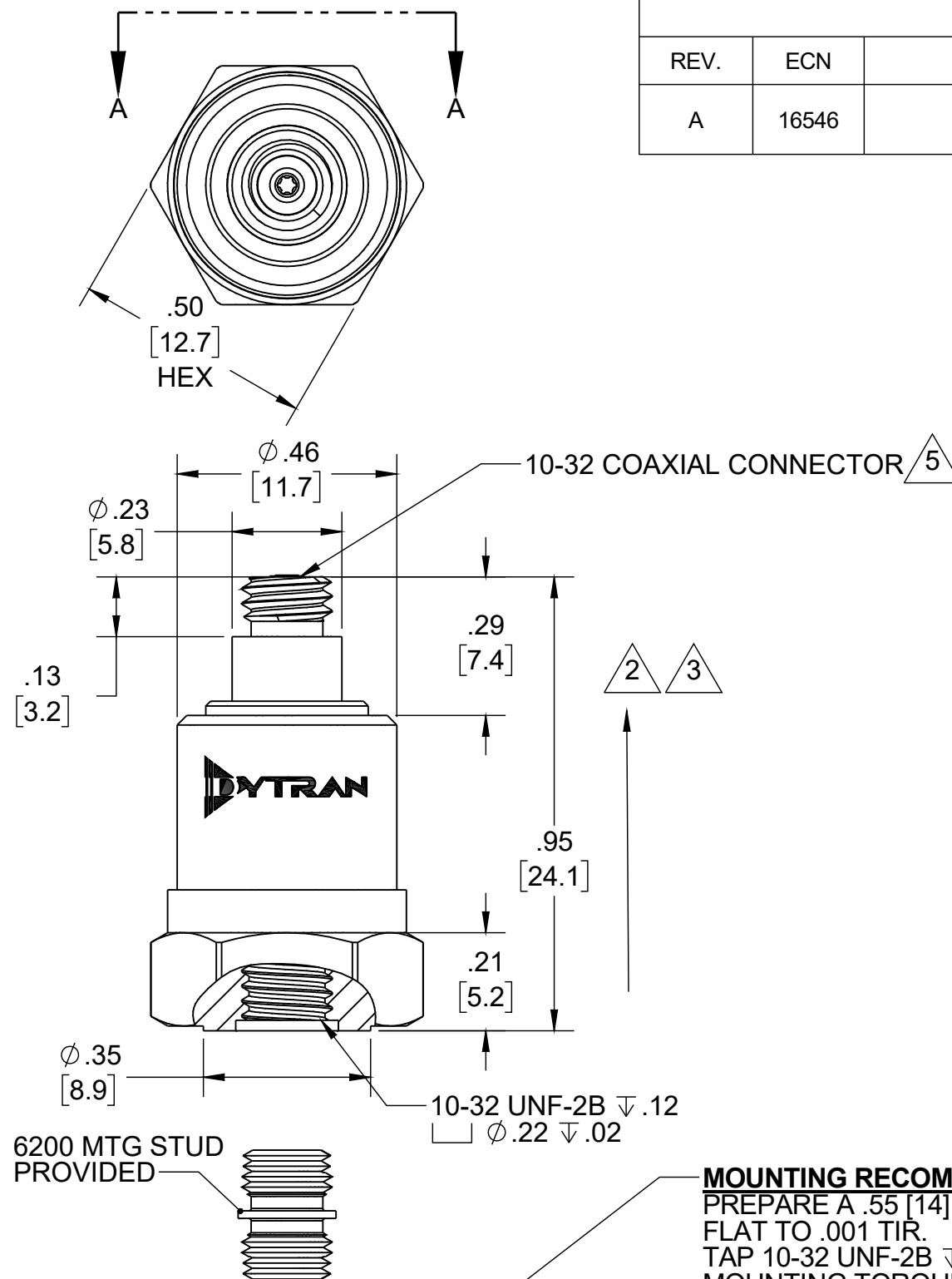


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	16546	INITIAL RELEASE	AS 01/24/22	DV	AM

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

MODEL	SENSITIVITY	TEDS	OPERATING TEMPERATURE (°F)
3056C	15 pC/g	NO	-60 TO +375
3056F2	5 mV/g	NO	-67 TO +325
3056F3	10 mV/g	NO	-67 TO +325
3056F4	20 mV/g	NO	-67 TO +325
3056F5	50 mV/g	NO	-67 TO +325
3056F6	100 mV/g	NO	-67 TO +325
3056F7	200 mV/g	NO	-67 TO +325
3056F8	500 mV/g	NO	-67 TO +325
3056F2T	5 mV/g	YES	-67 TO +325
3056F3T	10 mV/g	YES	-67 TO +325
3056F4T	20 mV/g	YES	-67 TO +325
3056F5T	50 mV/g	YES	-67 TO +325
3056F6T	100 mV/g	YES	-67 TO +325
3056F7T	200 mV/g	YES	-67 TO +325
3056F8T	500 mV/g	YES	-67 TO +325



SECTION A-A
180.00°

MOUNTING RECOMMENDATION:
PREPARE A .55 [14] X .55 [14] MIN SURFACE,
FLAT TO .001 TIR.
TAP 10-32 UNF-2B ▽.15 [3.8] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

- 6. TEDS OPERATING TEMPERATURE: -40°F TO +185°F [-40°C TO +85°C]
 - 5. MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX = LENGTH IN FEET).
 - 4. WEIGHT: 10 GRAMS, MAX
 - 3. ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
 - 2. ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE 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. ✓
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.

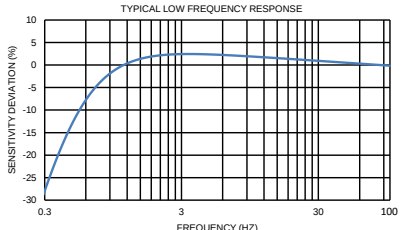
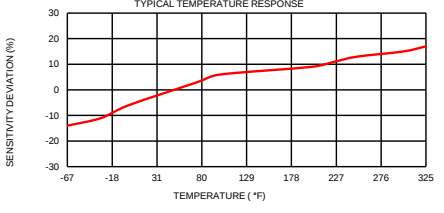
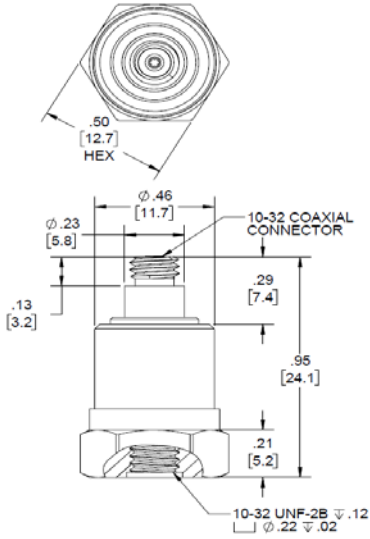
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS () ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS $.XX \pm 0.03$ $.XXX \pm 0.10$	METRIC $X \pm 0.8$ $XX \pm 0.25$	ANGLES $\pm 1^\circ$
APPROVALS		DATE
ORIG	AS	01/24/22
CHK	DV	03/08/22
APP	AM	03/15/22
DO NOT SCALE DRAWING		THIRD ANGLE PROJECT USA 



Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, 3056 SERIES**

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

Model Number 3056F2T		PERFORMANCE SPECIFICATIONS				DOC NO PS3056F2T																																				
		IEPE ACCELEROMETER				REV A, ECN 16546, 01/24/2022																																				
		• HIGH TEMPERATURE • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • TEDS FEATURE																																								
		ENGLISH		SI																																						
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		0.35		oz	10.0		grams																																			
		10-32			10-32																																					
		10-32 X .150 ↓			10-32 X .150 ↓																																					
		Titanium			Titanium																																					
		Ceramic			Ceramic																																					
		Planar Shear			Planar Shear																																					
PERFORMANCE Sensitivity, ±5% [2] Range for ± 5 Volts Output Frequency Response, ±5% Frequency Response, ±10% Resonant Frequency Broad Band Resolution Linearity [3] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		5		mV/g	0.51		mV/m/s ²																																			
		1,000		g pk	9,800		m/s ² pk																																			
		1 to 5,000		Hz	1 to 5,000		Hz																																			
		1 to 10,000		Hz	1 to 10,000		Hz																																			
		> 35		kHz	> 35		kHz																																			
		0.0040		g RMS	0.0392		m/s ² RMS																																			
		± 1		% F.S.	± 1		% F.S.																																			
		5		%	5		%																																			
		0.002		g/µε	0.02		m/s ² /µε																																			
ENVIRONMENTAL Maximum Shock Temperature Range TEDS Operating Temperature Range Seal		1,000		g pk	9800		m/s ² pk																																			
		-67 to +325		*F	-55 to +163		*C																																			
		-40 to +185		*F	-40 to +85		*C																																			
		Hermetic			Hermetic																																					
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant TEDS Feature		2 to 20		mA	2 to 20		mA																																			
		+18 to +30		Volts	+18 to +30		Volts																																			
		100		Ω	100		Ω																																			
		+9 to +14		VDC	+9 to +14		VDC																																			
		0.5 to 1.5		Sec	0.5 to 1.5		Sec																																			
		IEEE 1451.4			IEEE 1451.4																																					
		This family also includes:																																								
		<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response, ±10% (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (*F)</th></tr><tr><td>3056F3T</td><td>10</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F4T</td><td>20</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F5T</td><td>50</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F6T</td><td>100</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F7T</td><td>200</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F8T</td><td>500</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr></table>						Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (*F)	3056F3T	10	1 to 10,000	0.5 to 1.5	-67 to +325	3056F4T	20	1 to 10,000	0.5 to 1.5	-67 to +325	3056F5T	50	1 to 10,000	0.5 to 1.5	-67 to +325	3056F6T	100	1 to 10,000	0.5 to 1.5	-67 to +325	3056F7T	200	1 to 10,000	0.5 to 1.5	-67 to +325	3056F8T	500	1 to 10,000	0.5 to 1.5	-67 to +325
Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (*F)																																						
3056F3T	10	1 to 10,000	0.5 to 1.5	-67 to +325																																						
3056F4T	20	1 to 10,000	0.5 to 1.5	-67 to +325																																						
3056F5T	50	1 to 10,000	0.5 to 1.5	-67 to +325																																						
3056F6T	100	1 to 10,000	0.5 to 1.5	-67 to +325																																						
3056F7T	200	1 to 10,000	0.5 to 1.5	-67 to +325																																						
3056F8T	500	1 to 10,000	0.5 to 1.5	-67 to +325																																						
		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] All specifications are at room temperature unless otherwise specified. [2] Measured at 100 Hz [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [5] 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																								
		Typical Low Frequency Response  Typical Temperature Response  																																								
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3056 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



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