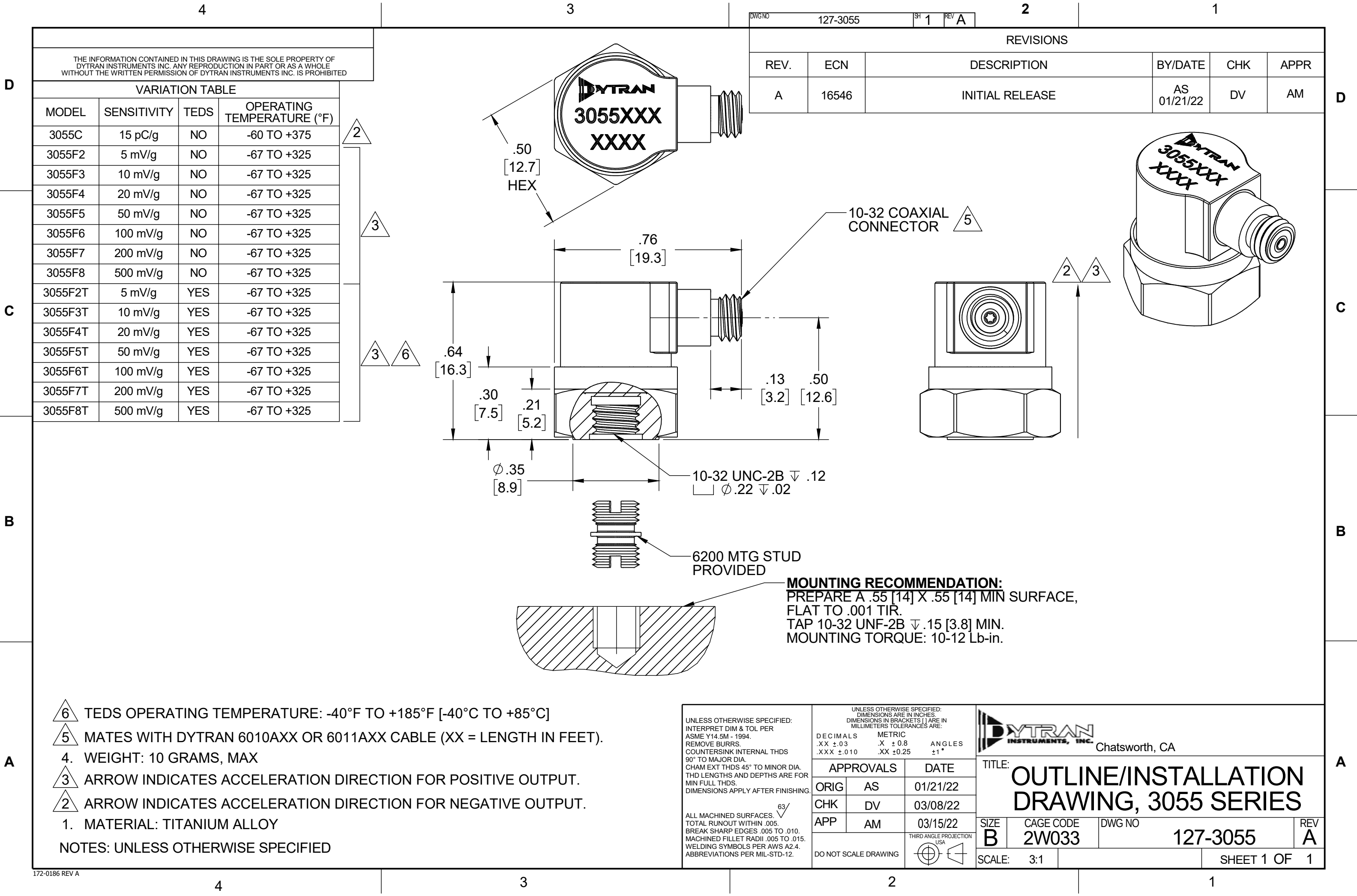
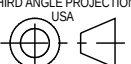


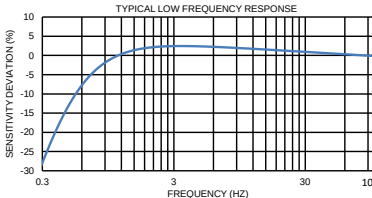
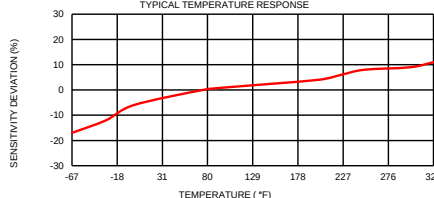
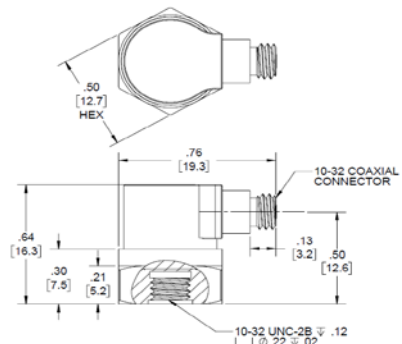


- 6 TEDS OPERATING TEMPERATURE: -40°F TO +185°F [-40°C TO +85°C]
- 5 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX = LENGTH IN FEET).
4. WEIGHT: 10 GRAMS, MAX
- 3 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 2 ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE OUTPUT.

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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		 Chatsworth, CA			
		DECIMALS .XX ±.03 .XXX ±.010	METRIC .X ±.08 .XX ±0.25			ANGLES ±1°	
APPROVALS		DATE		TITLE: OUTLINE/INSTALLATION DRAWING, 3055 SERIES			
ORIG	AS	01/21/22					
CHK	DV	03/08/22					
APP	AM	03/15/22		SIZE B	CAGE CODE 2W033	DWG NO 127-3055	REV A
DO NOT SCALE DRAWING				SCALE: 3:1		SHEET 1 OF 1	

Model Number 3055F4T		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F4T																																				
		IEPE ACCELEROMETER				REV B, ECN 17467, 06/10/24																																				
		• HIGH TEMPERATURE • BASE ISOLATED • 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 I			10-32 X .150 I																																					
		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		20		mV/g	2.04		mV/m/s ²																																			
		250		g pk	2,450		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																																			
		0.0008		g RMS	0.0078		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 Electrical Isolation 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																																			
		10		GΩ, min	10		GΩ, min																																			
		IEEE 1451.5			IEEE 1451.5																																					
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>3055F2T</td><td>5</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F3T</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>3055F5T</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>3055F6T</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>3055F7T</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>3055F8T</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)	3055F2T	5	1 to 10,000	0.5 to 1.5	-67 to +325	3055F3T	10	1 to 10,000	0.5 to 1.5	-67 to +325	3055F5T	50	1 to 10,000	0.5 to 1.5	-67 to +325	3055F6T	100	1 to 10,000	0.5 to 1.5	-67 to +325	3055F7T	200	1 to 10,000	0.5 to 1.5	-67 to +325	3055F8T	500	1 to 10,000	0.5 to 1.5	-67 to +325
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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] 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.																																										
 																																										
																																										
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055 for more information.																																										



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