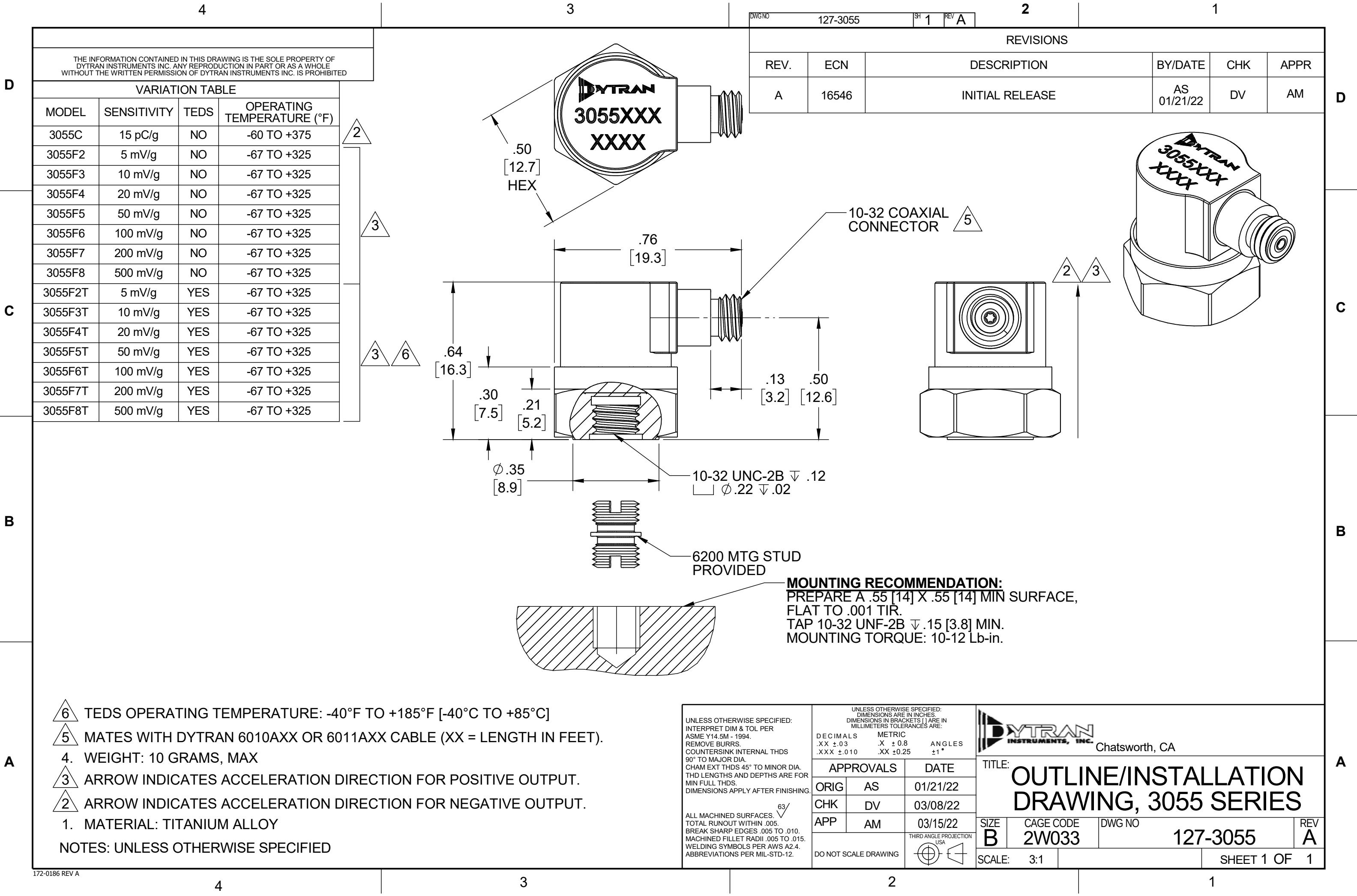




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4 VARIATION TABLE

MODEL	SENSITIVITY	TEDS	OPERATING TEMPERATURE (°F)
3055C	15 pC/g	NO	-60 TO +375
3055F2	5 mV/g	NO	-67 TO +325
3055F3	10 mV/g	NO	-67 TO +325
3055F4	20 mV/g	NO	-67 TO +325
3055F5	50 mV/g	NO	-67 TO +325
3055F6	100 mV/g	NO	-67 TO +325
3055F7	200 mV/g	NO	-67 TO +325
3055F8	500 mV/g	NO	-67 TO +325
3055F2T	5 mV/g	YES	-67 TO +325
3055F3T	10 mV/g	YES	-67 TO +325
3055F4T	20 mV/g	YES	-67 TO +325
3055F5T	50 mV/g	YES	-67 TO +325
3055F6T	100 mV/g	YES	-67 TO +325
3055F7T	200 mV/g	YES	-67 TO +325
3055F8T	500 mV/g	YES	-67 TO +325

2 REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	16546	INITIAL RELEASE	AS 01/21/22	DV	AM

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.

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. $\sqrt{63}$
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.
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

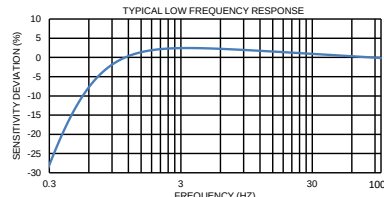
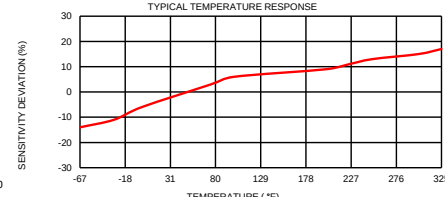
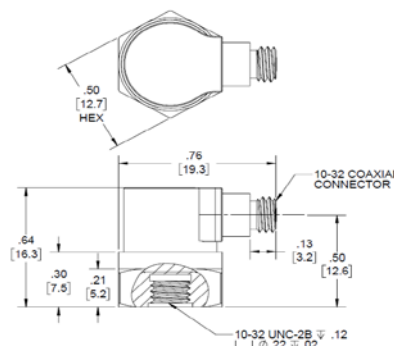
DECIMALS	METRIC	ANGLES
.XX $\pm$.03	.X $\pm$ 0.8	$\pm$ 1°
.XXX $\pm$.010	.XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	AS	01/21/22
CHK	DV	03/08/22
APP	AM	03/15/22
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



TITLE: **OUTLINE/INSTALLATION
DRAWING, 3055 SERIES**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3055	A
SCALE: 3:1		SHEET 1 OF 1	

Model Number 3055F2T		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F2T																																				
		IEPE ACCELEROMETER				REV A, ECN 16546, 01/24/2022																																				
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • TEDS FEATURE				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>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>3055F4T</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>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)	3055F3T	10	1 to 10,000	0.5 to 1.5	-67 to +325	3055F4T	20	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																																								
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		Type Tapped Hole																																								
		ENGLISH		SI																																						
		0.35 10-32 10-32 X .150 I Titanium Ceramic Planar Shear		oz grams 10.0 10-32 10-32 X .150 I Titanium Ceramic 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 1,000 1 to 5,000 1 to 10,000 > 35 0.0040 ± 1 5 0.002		mV/g g pk Hz Hz kHz g RMS % F.S. % g/µε		0.51 9,800 1 to 5,000 1 to 10,000 > 35 0.0392 ± 1 5 0.02 mV/m/s ² m/s ² pk Hz Hz kHz m/s ² RMS % F.S. % m/s ² /µε																																				
ENVIRONMENTAL Maximum Shock Temperature Range TEDS Operating Temperature Range Seal		1,000 -67 to +325 -40 to +185 Hermetic		g pk °F °F		9800 -55 to +163 -40 to +85 Hermetic m/s ² pk °C °C																																				
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation TEDS Feature		2 to 20 +18 to +30 100 +9 to +14 0.5 to 1.5 10 IEEE 1451.5		mA Volts Ω VDC Sec GΩ, min		2 to 20 +18 to +30 100 +9 to +14 0.5 to 1.5 10 IEEE 1451.5 mA Volts Ω VDC Sec GΩ, min																																				
						  																																				
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055 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																																								