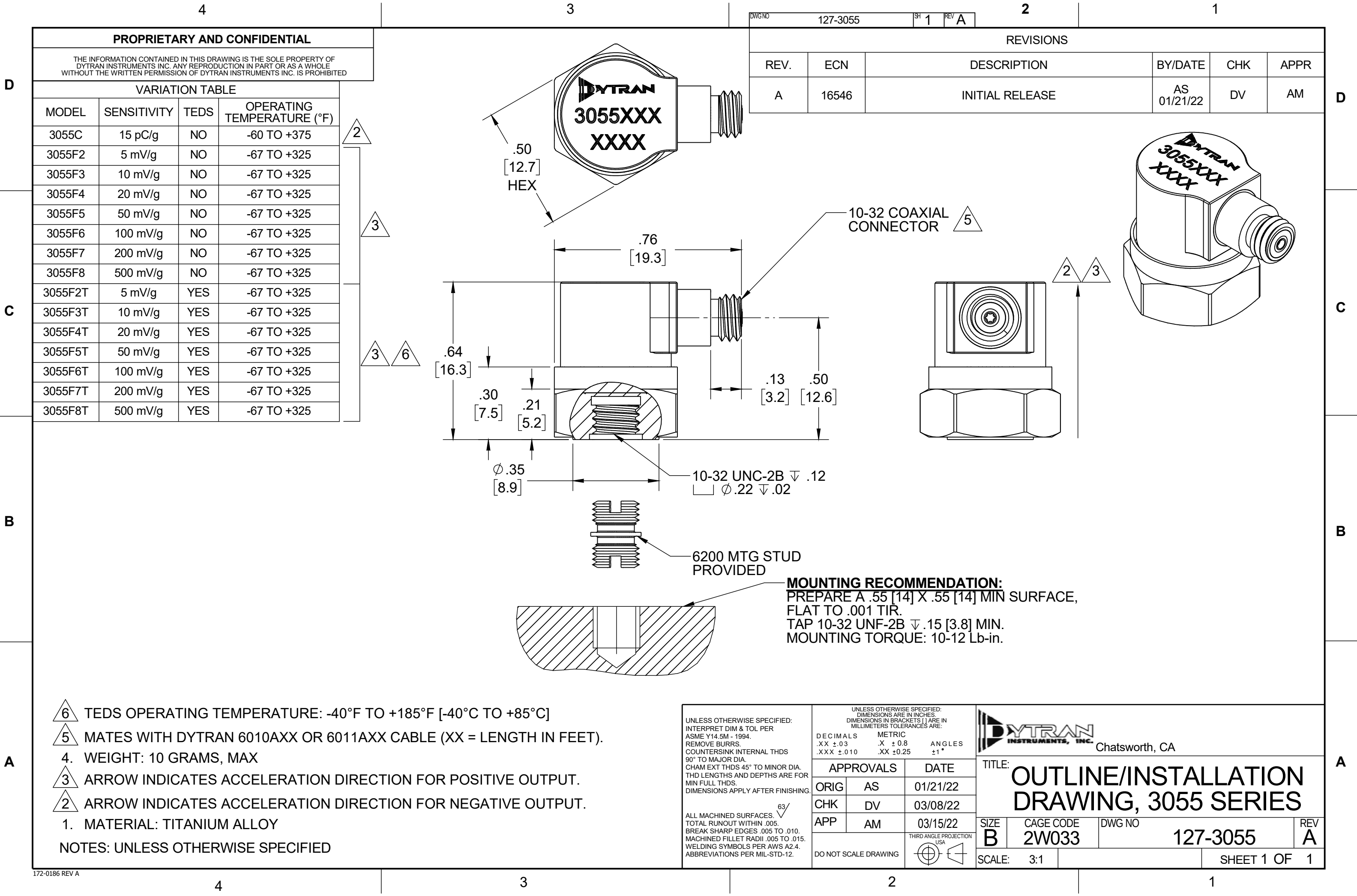




PROPRIETARY AND CONFIDENTIAL

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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

REVISIONS

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

- 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

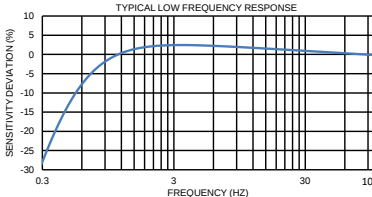
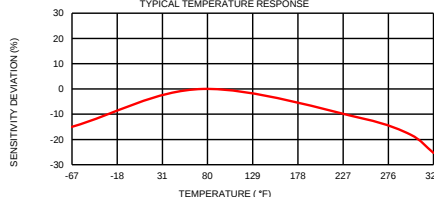
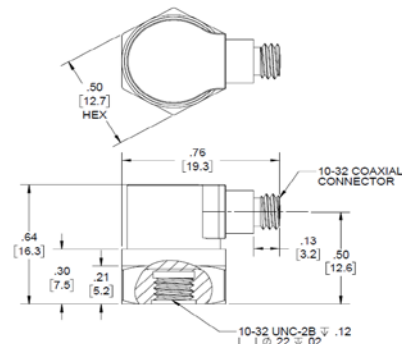
NOTES: UNLESS OTHERWISE SPECIFIED

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	METRIC	ANGLES
.XX ±.03	.X ±.08	±1°
.XXX ±.010	.XX ±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

 Chatsworth, CA			
TITLE: OUTLINE/INSTALLATION DRAWING, 3055 SERIES			
SIZE B	CAGE CODE 2W033	DWG NO 127-3055	REV A
SCALE: 3:1		SHEET 1 OF 1	

Model Number 3055F8		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F8																																					
		IEPE ACCELEROMETER				REV A, ECN 16546, 01/24/2022																																					
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED				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>3055F2</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>3055F3</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>3055F4</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>3055F5</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>3055F6</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>3055F7</td><td>200</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)	3055F2	5	1 to 10,000	0.5 to 1.5	-67 to +325	3055F3	10	1 to 10,000	0.5 to 1.5	-67 to +325	3055F4	20	1 to 10,000	0.5 to 1.5	-67 to +325	3055F5	50	1 to 10,000	0.5 to 1.5	-67 to +325	3055F6	100	1 to 10,000	0.5 to 1.5	-67 to +325	3055F7	200	1 to 10,000	0.5 to 1.5	-67 to +325	
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PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		Type Tapped Hole		<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>0.35</td><td>oz</td><td>10.0</td><td>grams</td></tr><tr><td>10-32</td><td></td><td>10-32</td><td></td></tr><tr><td>10-32 X .150 I</td><td></td><td>10-32 X .150 I</td><td></td></tr><tr><td>Titanium</td><td></td><td>Titanium</td><td></td></tr><tr><td>Ceramic</td><td></td><td>Ceramic</td><td></td></tr><tr><td>Planar Shear</td><td></td><td>Planar Shear</td><td></td></tr></table>				ENGLISH		SI		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									
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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		<table><tr><td>500</td><td>mV/g</td><td>51.02</td><td>mV/m/s²</td></tr><tr><td>10</td><td>g pk</td><td>98</td><td>m/s² pk</td></tr><tr><td>1 to 5,000</td><td>Hz</td><td>1 to 5,000</td><td>Hz</td></tr><tr><td>1 to 10,000</td><td>Hz</td><td>1 to 10,000</td><td>Hz</td></tr><tr><td>> 35</td><td>kHz</td><td>> 35</td><td>kHz</td></tr><tr><td>0.0040</td><td>g RMS</td><td>0.0392</td><td>m/s² RMS</td></tr><tr><td>± 1</td><td>% F.S.</td><td>± 1</td><td>% F.S.</td></tr><tr><td>5</td><td>%</td><td>5</td><td>%</td></tr><tr><td>0.002</td><td>g/µε</td><td>0.02</td><td>m/s²/µε</td></tr></table>		500	mV/g	51.02	mV/m/s ²	10	g pk	98	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				
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ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>+18 to +30</td><td>Volts</td><td>+18 to +30</td><td>Volts</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>+9 to +14</td><td>VDC</td><td>+9 to +14</td><td>VDC</td></tr><tr><td>0.5 to 1.5</td><td>Sec</td><td>0.5 to 1.5</td><td>Sec</td></tr><tr><td>10</td><td>GΩ, min</td><td>10</td><td>GΩ, min</td></tr></table>		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																
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		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 127-3055 for more information.																																									



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