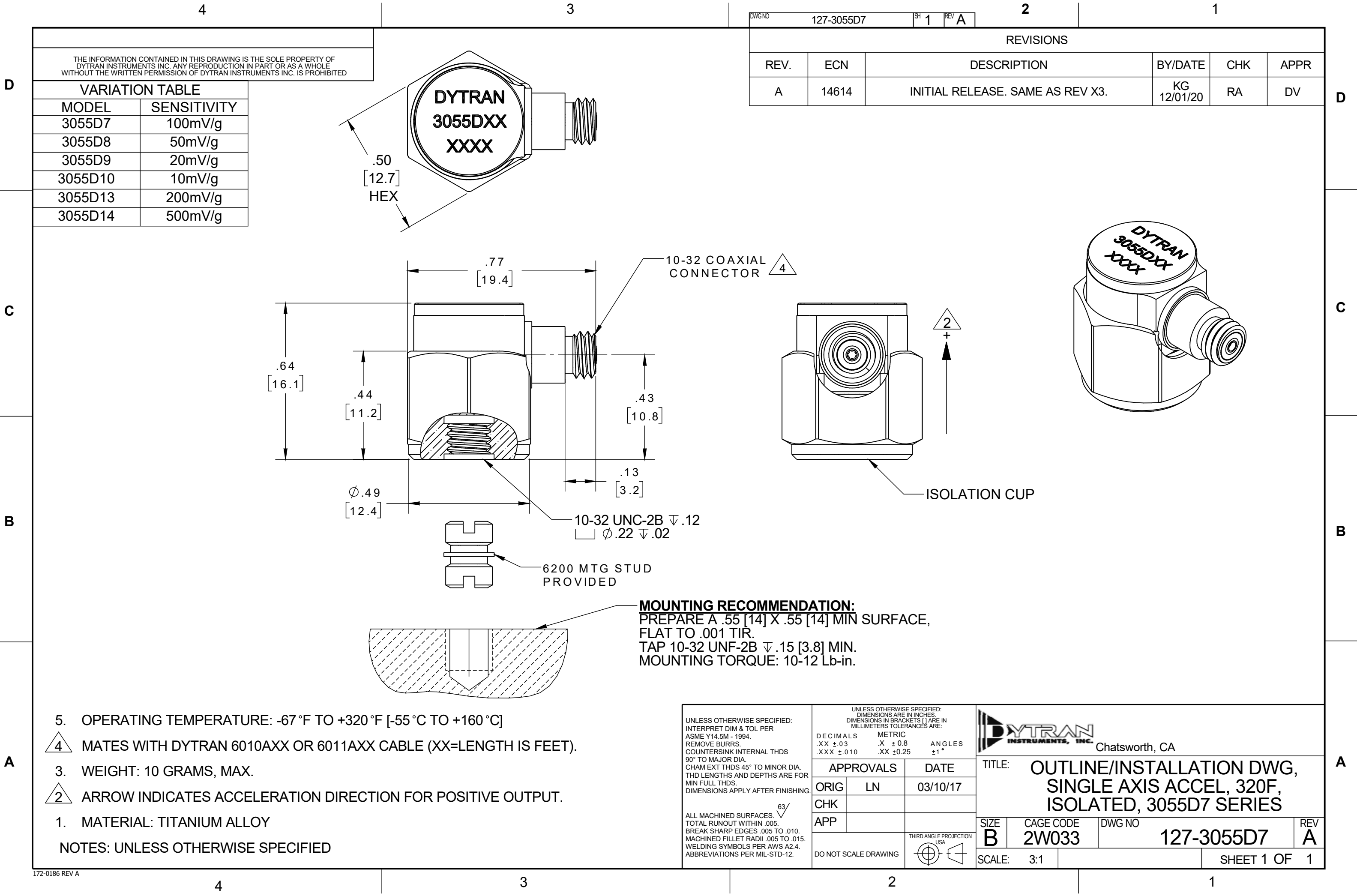




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VARIATION TABLE	
MODEL	SENSITIVITY
3055D7	100mV/g
3055D8	50mV/g
3055D9	20mV/g
3055D10	10mV/g
3055D13	200mV/g
3055D14	500mV/g

REV.		ECN	DESCRIPTION	BY/DATE	CHK	APPR
A		14614	INITIAL RELEASE. SAME AS REV X3.	KG 12/01/20	RA	DV

5. OPERATING TEMPERATURE: -67°F TO +320°F [-55°C TO +160°C]
4. MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IS FEET).
3. WEIGHT: 10 GRAMS, MAX.
2. ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. MATERIAL: TITANIUM ALLOY
- NOTES: UNLESS OTHERWISE SPECIFIED

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.
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:

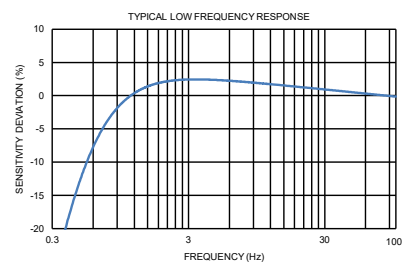
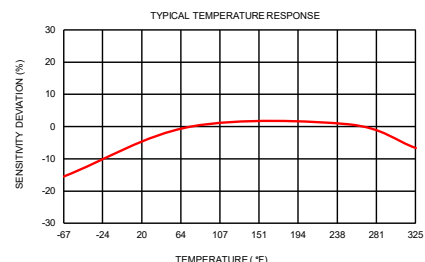
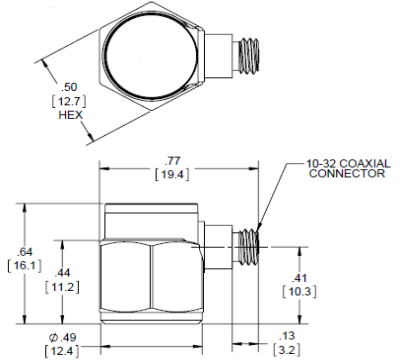
DECIMALS	METRIC	ANGLES
.XX $\pm$.03	.X $\pm$ 0.8	ANGLES $\pm$ 1°
.XXX $\pm$.010	.XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	LN	03/10/17
CHK		
APP		
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DWG,
SINGLE AXIS ACCEL, 320F,
ISOLATED, 3055D7 SERIES**

SIZE B	CAGE CODE 2W033	DWG NO 127-3055D7	REV A
SCALE: 3:1		SHEET 1 OF 1	

Model Number 3055D13		PERFORMANCE SPECIFICATIONS				DOC NO PS3055D13																															
		IEPE ACCELEROMETER				REV C, ECN 16427, 12/09/21																															
		• -67 °F TO +325°F OPERATION • 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>3055D7</td><td>100</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D8</td><td>50</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D9</td><td>20</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D10</td><td>10</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D14</td><td>500</td><td>1 to 10000</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)	3055D7	100	1 to 10000	0.5 to 1.5	-67 to +325	3055D8	50	1 to 10000	0.5 to 1.5	-67 to +325	3055D9	20	1 to 10000	0.5 to 1.5	-67 to +325	3055D10	10	1 to 10000	0.5 to 1.5	-67 to +325	3055D14	500	1 to 10000	0.5 to 1.5	-67 to +325
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3055D14	500	1 to 10000	0.5 to 1.5	-67 to +325																																	
PHYSICAL		ENGLISH		SI		Refer to the performance specifications of the products in this family for detailed description																															
Weight	Type	0.35	oz	10	grams	Supplied Accessories:																															
Connector	Tapped Hole	10-32		10-32		1) Accredited calibration certificate (ISO 17025)																															
Mounting Provision		10-32 Tapped hole		10-32 Tapped hole		2) Model 6200 mounting stud, qty 1																															
Material, Housing/Connector		Titanium		Titanium		Notes:																															
Sensing Element		Ceramic		Ceramic		[1] All specifications are at room temperature unless otherwise specified.																															
Element Style		Planar Shear		Planar Shear		[2] Measured at 100Hz, 1 g RMS per ISA RP 37.2.																															
PERFORMANCE						[3] Measure using zero-based straight line method, % of F.S. or any lesser range.																															
Sensitivity, ± 5% [2]		200	mV/g	20	mV/m/s ²	[4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.																															
Range for ± 5 Volts Output		25	g pk	245	m/s ² pk	[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.																															
Frequency Response, ± 5%		0.71 to 5000	Hz	0.71 to 5000	Hz	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.																															
Frequency Response, ± 10%		0.54 to 10000	Hz	0.54 to 10000	Hz																																
Resonant Frequency		> 36	kHz	> 36	kHz																																
Broad Band Resolution		0.0003	g RMS	0.003	m/s ² RMS																																
Linearity [3]		± 1	% F.S.	± 1	% F.S.																																
Maximum Transverse sensitivity		5	%	5	%																																
Strain Sensitivity @ 250µε		0.002	g/µε	0.02	m/s ² /µε																																
ENVIRONMENTAL																																					
Maximum Shock		±2,000	g pk	19620	m/s ² pk																																
Temperature Range		-67 to +325	°F	-55 to +163	°C																																
Seal		Hermetic		Hermetic																																	
ELECTRICAL																																					
Supply Current Range [4]		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		+10 to +13	VDC	+10 to +13	VDC																																
Discharge Time Constant		0.5 to 1.5	Sec	0.5 to 1.5	Sec																																
Electrical Isolation		10	GΩ, min	10	GΩ, min																																
																																					
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055D7 for more information.																															



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