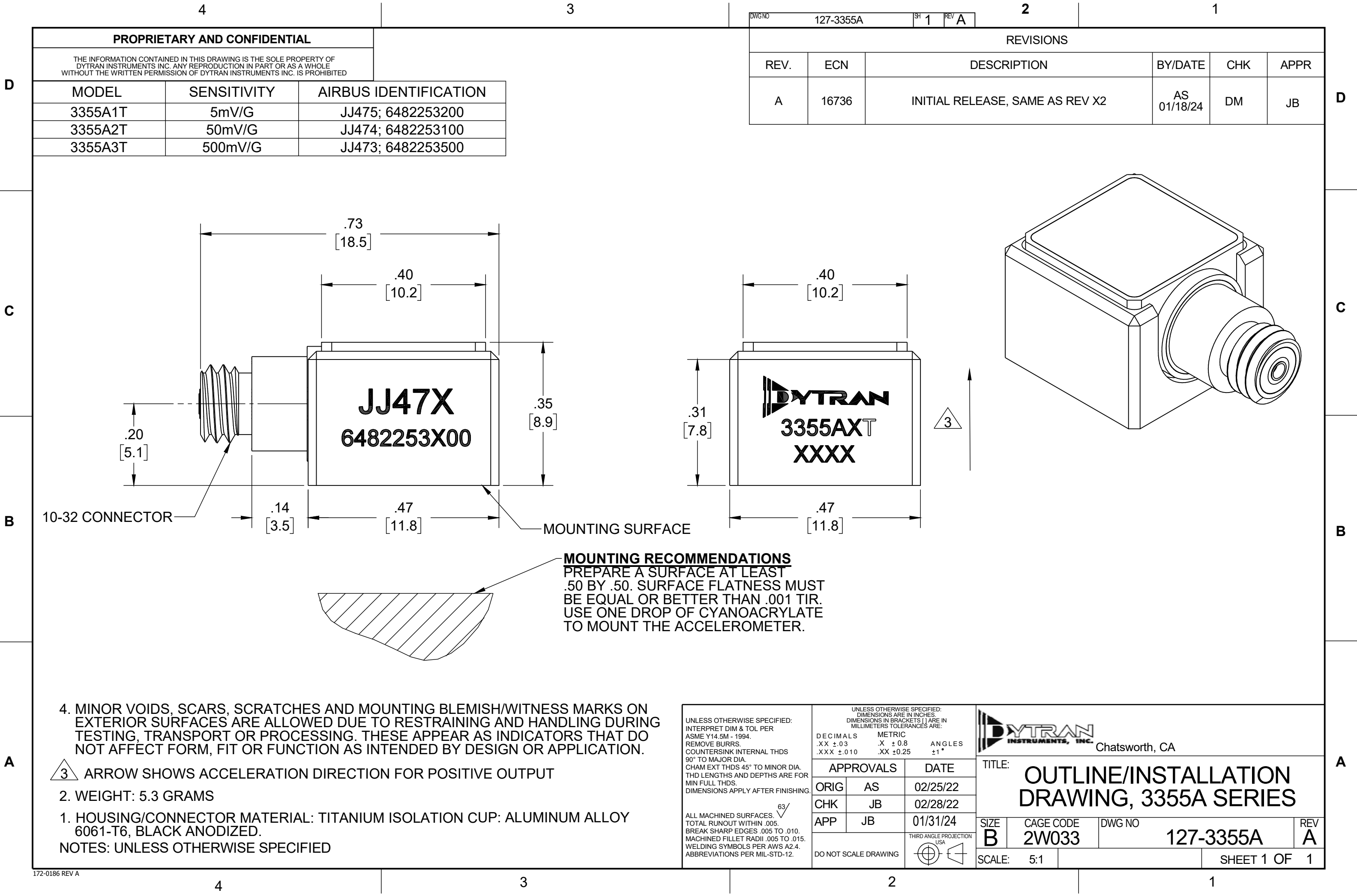




PROPRIETARY AND CONFIDENTIAL

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MODEL	SENSITIVITY	AIRBUS IDENTIFICATION
3355A1T	5mV/G	JJ475; 6482253200
3355A2T	50mV/G	JJ474; 6482253100
3355A3T	500mV/G	JJ473; 6482253500

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	16736	INITIAL RELEASE, SAME AS REV X2	AS 01/18/24	DM	JB

MOUNTING RECOMMENDATIONS

PREPARE A SURFACE AT LEAST
.50 BY .50. SURFACE FLATNESS MUST
BE EQUAL OR BETTER THAN .001 TIR.
USE ONE DROP OF CYANOACRYLATE
TO MOUNT THE ACCELEROMETER.

4. MINOR VOIDS, SCARS, SCRATCHES AND MOUNTING BLEMISH/WITNESS MARKS ON
EXTERIOR SURFACES ARE ALLOWED DUE TO RESTRAINING AND HANDLING DURING
TESTING, TRANSPORT OR PROCESSING. THESE APPEAR AS INDICATORS THAT DO
NOT AFFECT FORM, FIT OR FUNCTION AS INTENDED BY DESIGN OR APPLICATION.

3 ARROW SHOWS ACCELERATION DIRECTION FOR POSITIVE OUTPUT

2. WEIGHT: 5.3 GRAMS

1. HOUSING/CONNECTOR MATERIAL: TITANIUM ISOLATION CUP: ALUMINUM ALLOY
6061-T6, BLACK ANODIZED.

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 ±0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	AS	02/25/22
CHK	JB	02/28/22
APP	JB	01/31/24

DO NOT SCALE DRAWING

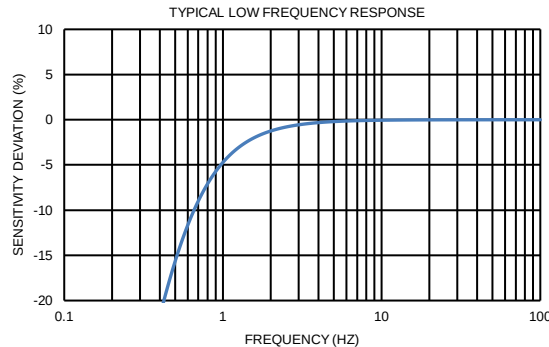
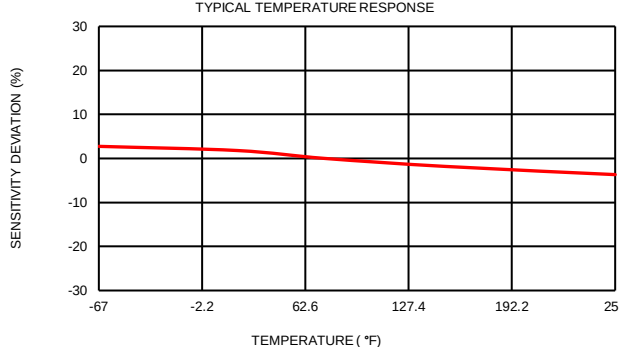
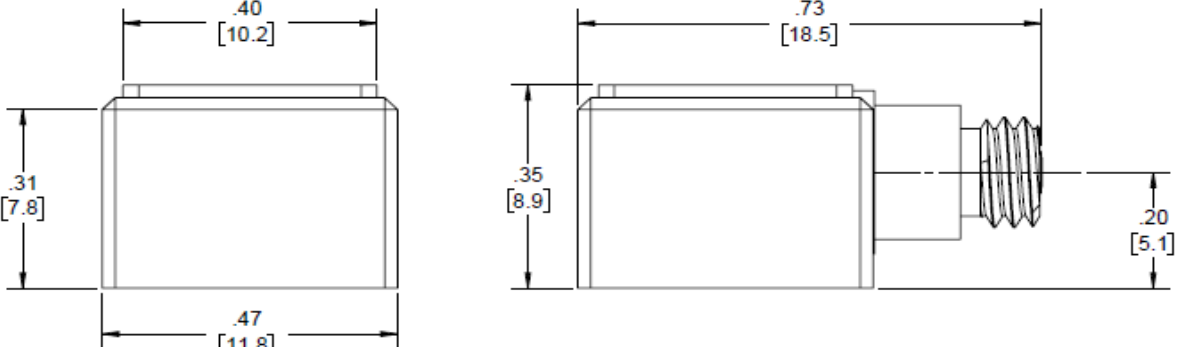
THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, 3355A SERIES**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3355A	A

SCALE: 5:1 SHEET 1 OF 1

Model Number 3355A1T		PERFORMANCE SPECIFICATIONS				DOC NO PS3355A1T	
		IEPE ACCELEROMETER				REV A, ECN16736, 01/18/24	
 • MINIATURE SIZE • HERMETICALLY SEALED • EXCELLENT LINEARITY • BASE ISOLATED • TEDS FEATURE							
		This family also includes:					
		Model	Sensitivity (mV/g)	Frequency Response, ±5% (Hz)	Time Constant (Sec)	Operating Temp (°F)	
		3355A2T	50	0.3 to 5000	0.6 to 2.5	-67 to +257	
		3355A3T	500	0.3 to 5000	0.6 to 2.5	-67 to +257	
		Refer to the performance specifications of the products in this family for detailed description					
		Supplied Accessories:					
		1) Accredited calibration certificate (ISO 17025)					
		Notes:					
		[1] All specifications are at room temperature unless otherwise specified.					
		[2] Measure using zero-based straight line method, % of F.S. or any lesser range.					
		[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.					
		[4] 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.					
PHYSICAL							
Weight	Type	0.19	oz	5.3	grams		
Connector		10-32 Coaxial		10-32 Coaxial			
Mounting Provision		Adhesive		Adhesive			
Material, Housing/Connector		Titanium		Titanium			
Material, Isolation Cup		Anodized Aluminum		Anodized Aluminum			
Sensing Element		Quartz		Quartz			
Element Style		Planar Shear		Planar Shear			
PERFORMANCE							
Sensitivity, ±5%		5	mV/g	0.51	mV/m/s ²		
Range for ± 5 Volts Output		±1000	g pk	±9810	m/s ² pk		
Frequency Response, ±5%		0.3 to 5000	Hz	0.3 to 5000	Hz		
±15%		0.15 to 10,000	Hz	0.15 to 10,000	Hz		
Resonant Frequency		> 35	kHz	> 35	kHz		
Broad Band Resolution		0.007	g RMS	0.069	m/s ² RMS		
Spectral Noise	1Hz	4250	µg RMS/√(Hz)	41693	µm/s ² RMS/√(Hz)		
	10Hz	500	µg RMS/√(Hz)	4905	µm/s ² RMS/√(Hz)		
	100Hz	125	µg RMS/√(Hz)	1226	µm/s ² RMS/√(Hz)		
	1000Hz	43	µg RMS/√(Hz)	422	µm/s ² RMS/√(Hz)		
	10000Hz	11.5	µg RMS/√(Hz)	113	µm/s ² RMS/√(Hz)		
Linearity [2]		±1%	% F.S.	±1%	% F.S.		
Maximum Transverse sensitivity		5	%	5	%		
Strain Sensitivity @ 250µε		0.04	g/µε	0.39	m/s ² /µε		
ENVIRONMENTAL							
Maximum Shock		±5000	g pk	±49050	m/s ² pk		
Temperature Range		-67 to +257	°F	-55 to +125	°C		
Seal		Hermetic		Hermetic			
ELECTRICAL							
Supply Current Range [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+18 to +30	Volts	+18 to +30	Volts		
Output Impedance, Typ		100	Ω	100	Ω		
Bias Voltage		+6 to +13	VDC	+6 to +13	VDC		
Discharge Time Constant		0.6 to 2.5	Sec	0.6 to 2.5	Sec		
Electrical Isolation		10	GΩ, min	10	GΩ, min		
TEDS Feature		IEEE 1451.5		IEEE 1451.5			
		TYPICAL LOW FREQUENCY RESPONSE					
							
		TYPICAL TEMPERATURE RESPONSE					
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3355A for more information.					



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