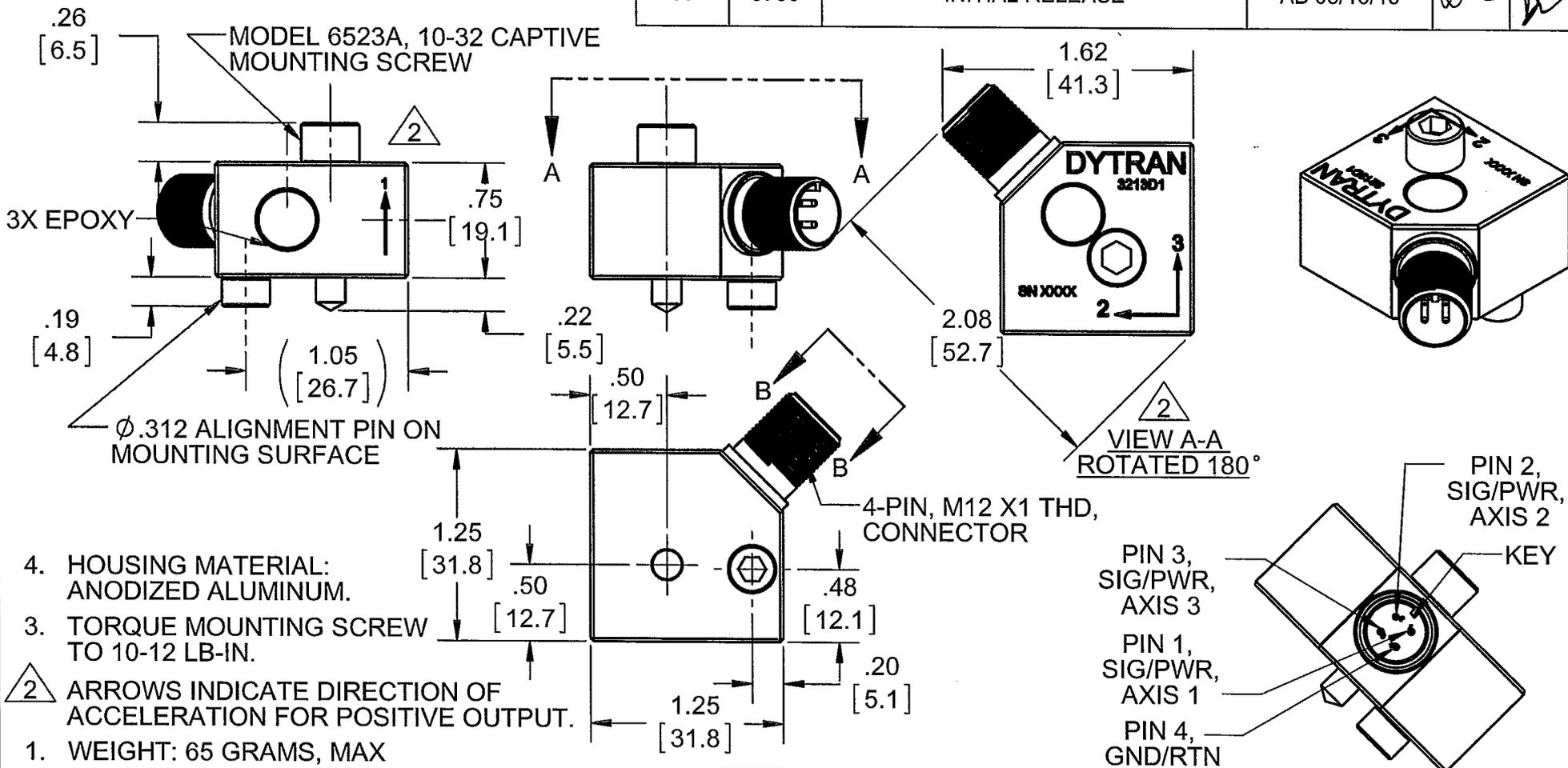


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9756	INITIAL RELEASE	AB 03/18/13	<i>[Signature]</i>	<i>[Signature]</i>



4. HOUSING MATERIAL: ANODIZED ALUMINUM.

3. TORQUE MOUNTING SCREW TO 10-12 LB-IN.

2. ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

1. WEIGHT: 65 GRAMS, MAX

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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± 0.10 .XX ± 0.25
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

ALL MACHINED SURFACES. 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.

CONTRACT NO.

APPROVALS		DATE
ORIG	RT	12/21/12
CHK	<i>[Signature]</i>	3/25/13
APP	<i>[Signature]</i>	4/3/13
APP		

MATERIAL	
FINISH	
DO NOT SCALE DRAWING	



TITLE: **OUTLINE/INSTALLATION DRAWING, 3213D1**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3213D1	A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



- BROAD FREQUENCY RESPONSE
- HERMETICALLY SEALED
- LOW NOISE

PHYSICAL
 Weight, Max. 4 Pin
 Connector Housing
 Material Connector
 Sensing Material

ENGLISH		SI	
2.3	oz	65	grams
M12 X 1		M12 X 1	
Anodized Aluminum		Anodized Aluminum	
300 Series SST		300 Series SST	
Ceramic		Ceramic	

PERFORMANCE
 Sensitivity, ±10% [1]
 Range for ± 5 Volts Output
 Frequency Response, ±3 dB Axis 3
 Axes 1 and 2
 Resonant Frequency
 Broad Band Resolution
 Linearity [2]
 Maximum Transverse Sensitivity
 Base Strain Sensitivity @ 250µε

100	mV/g	10.2	mV/m/s ²
50	g	491	m/s ²
2 to 10000	Hz	2 to 10000	Hz
2 to 7000		2 to 7000	
> 20	kHz	> 20	kHz
0.00016	grms	0.002	m/s ² rms
±1	% F.S.	±1	% F.S.
7	%	7	%
0.002	g/µε	0.02	m/s ² /µε

ENVIRONMENTAL
 Maximum Vibration
 Maximum Shock
 Temperature Range
 Seal

500	g peak	4905	m/s ² peak
5000	g peak	49050	m/s ² peak
-60 to 250	°F	-51 to 121	°C
Hermetic		Hermetic	

ELECTRICAL
 Supply Current Range [3]
 Compliance Voltage Range
 Bias Voltage
 Discharge Time Constant
 Isolation

2 to 20	mA	2 to 20	mA
18 to 30	Volts	18 to 30	Volts
11 to 13	VDC	11 to 13	VDC
0.5 to 2.0	Sec	0.5 to 2.0	Sec
Case Isolated		Case Isolated	

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

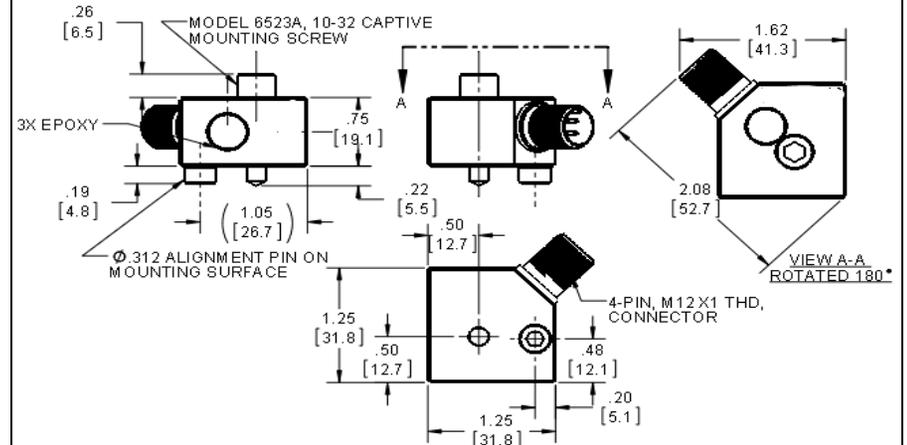
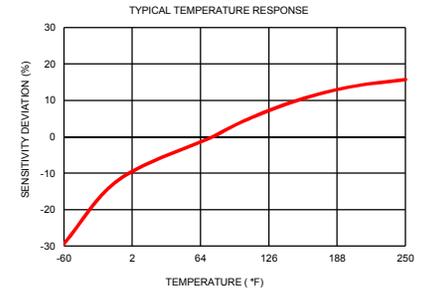
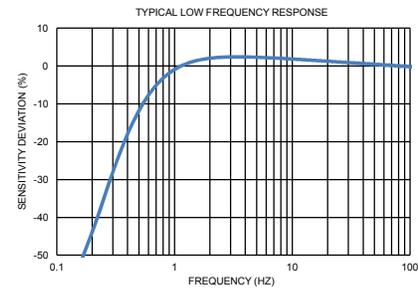
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting screw , Dytran model 6523A (10-32 UNF-2A)

Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [2] Measured using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 0.7 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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3213D1 or more information.

