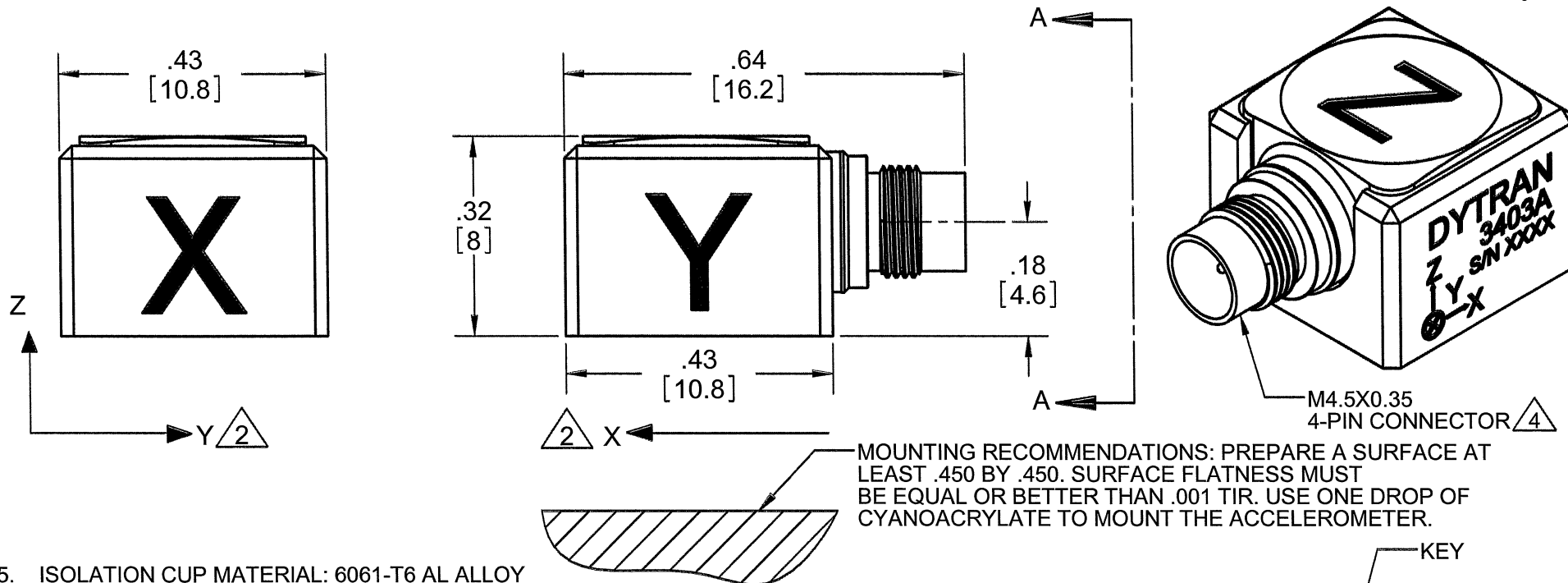


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7483	INITIAL RELEASE	RA 05/04/11	JS	<i>[Signature]</i>



5. ISOLATION CUP MATERIAL: 6061-T6 AL ALLOY
FINISH: ANODIZED PER MIL-A-8625 COLOR BLACK
4. MATES WITH DYTRAN CABLE 6893AXX
(XX=LENGTH IN FEET)
3. HOUSING/CONNECTOR MATERIAL: TITANIUM
2. ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT
1. WEIGHT: 4 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.	
3403A	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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: INCHES METRIC ANGLES .XX ± .03 X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.

APPROVALS			DATE
ORIG	RA		04/13/11
CHK	<i>[Signature]</i>		6/24/11
APP	<i>[Signature]</i>		7/15/11
APP			

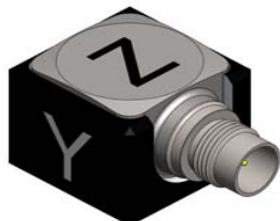
MASTER
ONLY IF IN RED

TITLE:

OUTLINE/INSTALLATION, MODEL 3403A

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3403A	REV A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER	PERFORMANCE SPECIFICATION			DOC NO.
3403A				PS3403A
		ACCELEROMETER, TRIAXIAL, IEPE		REV A, ECN 7483, 06/14/11



- HERMETICALLY SEALED
- MINIATURE SIZE
- CASE ISOLATED

PHYSICAL

Weight, Max
Mounting
Connector [1]
Material, Housing / Connector
Isolation Cup

ENGLISH		SI
0.14	oz	4.0
Adhesive		Adhesive
4-pin		4-pin
Titanium		Titanium
Anodized Aluminum		Anodized Aluminum

PERFORMANCE

Sensitivity, -10 + 15% [2]
Range F.S. (each axis)
Frequency Response, -5 /+15%
Element Natural Frequency
Equivalent Electrical Noise
Linearity [3]
Transverse Sensitivity Max
Signal Polarity

10	mV/g	1.02	mV/m/s ²
±500	g	± 4905	m/s ²
1.2 to 5000	Hz	1.2 to 5000	Hz
30	kHz	30	kHz
0.007	grms	0.069	m/s ² rms
1	%F.S.	1	%F.S.
6	%	6	%
[6]		[6]	

ELECTRICAL

Supply Current Range [4]
Compliance Voltage Range
Output Impedance, Typ.
Output Bias Voltage
Discharge Time Constant
Ground Isolation [7]

2 to 20	mA	2 to 20	mA
+18 to +30	VDC	+18 to +30	VDC
100	Ω	100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
0.3 to 0.5	sec	0.3 to 0.5	sec
Case Isolated		Case Isolated	

ENVIRONMENTAL

Maximum Shock
Maximum Vibration
Temperature Range
Environmental Seal

5000	g pk	49050	m/s ²
600	g pk	5880	m/s ²
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (grms)	Oper. Temp(°F)	TC(sec.)

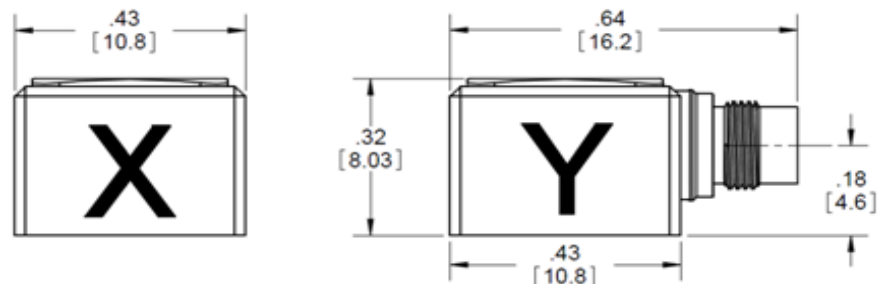
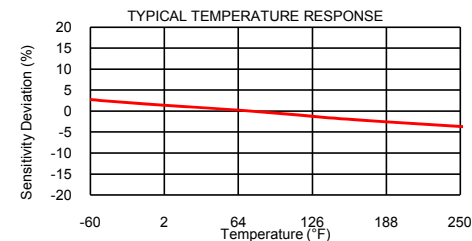
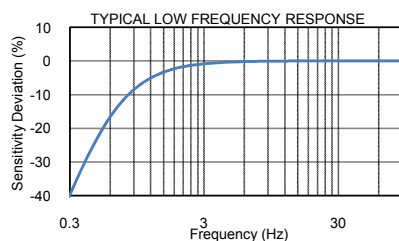
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] Connector mates with Dytran cable assy. Model 6893AXX. (xx = length in feet)
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.
- [4] Do not apply power to this device without current limiting, 20mA Max, to do so will destroy the integral IC amplifier
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [6] Marked arrows indicate the direction of acceleration for positive output.
- [7] Case grounded unit epoxied into anodized aluminum cup with an insulation resistance of 10GΩ, Min



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3403A for more information.



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