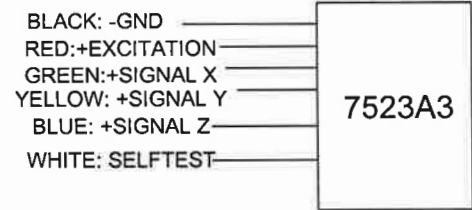
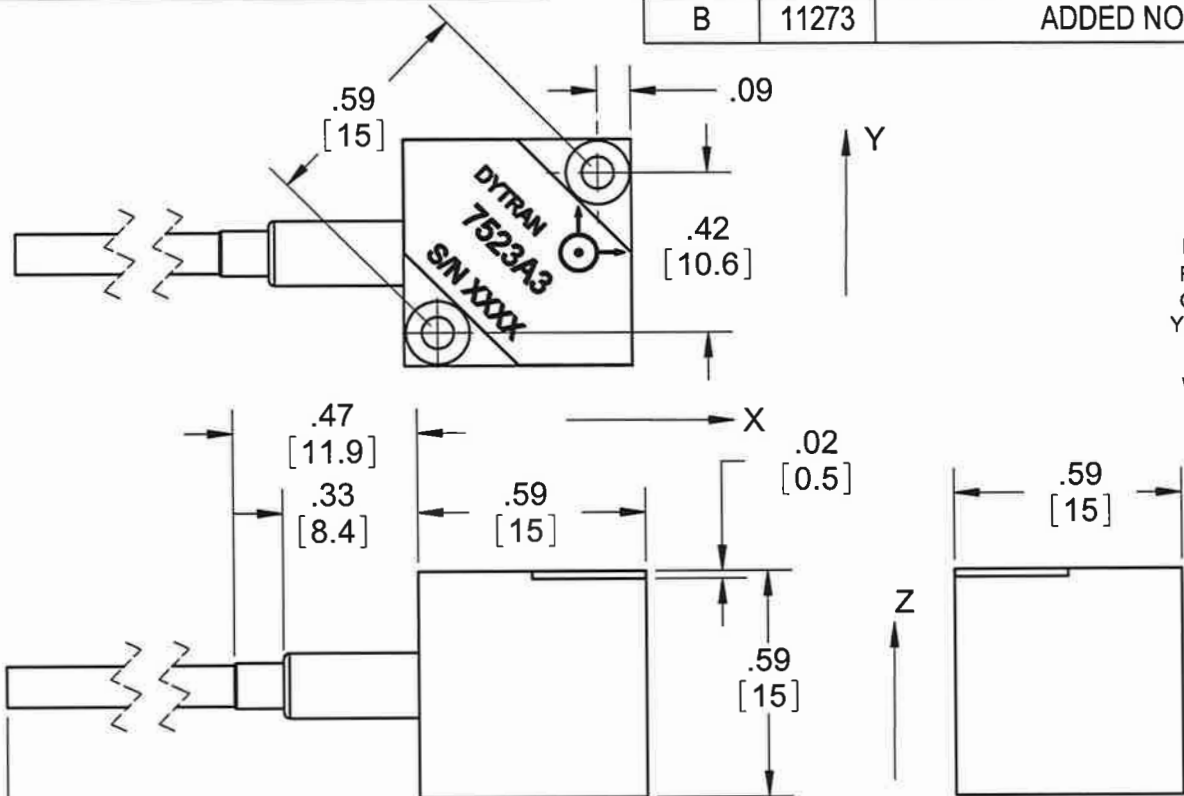


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REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6489	INITIAL RELEASE	JS 01/13/10	EP	DV
B	11273	ADDED NOTE 1	AS 09/22/14	<i>DV</i>	<i>PT</i>



WIRING DIAGRAM

CABLE LENGTH
 77.00±6.00
 [1955.8±152.4]

1 RECOMMENDED MOUNTING TORQUE 6-7 LB-IN
NOTE: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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.

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	JS	01/08/10
CHK	<i>DV</i>	10/01/14
APP	<i>PT</i>	11/01/14
APP		

MASTER ONLY IF IN RED
DYTRAN INSTRUMENTS, INC.
 Chatsworth, CA

TITLE: **OUTLINE /INSTALLATION DRAWING 7253A3**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-7523A3	B
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

SPECIFICATIONS, SERIES 7523A TRIAXIAL ACCELEROMETER

PERFORMANCE

	A1	A2	A3	A5	UNITS
Input	±2	±5	±15	±50	g
Output, bias, ±20%	2.5	2.5	2.5	2.5	V
Output range	±1.1	±1.4	±1.4	±1.8	V
Bandwidth, X & Y Axes ±3db	0-1500	0-1500	0-1500	0-400	Hz
Z Axis ±3db	0-500	0-500	0-1500	0-400	Hz
Sensitivity, ± 20%	550	280	93	36	mV/g
Output Noise, nom.	3	5	10	40	mGrms
Output Impedance	3500	35,000	3500	<500	Ω

PERFORMANCE FOR ALL MODEL NUMBERS (Tc=+25°C)

	MIN	NOM	MAX	UNITS
Maximum Mechanical Shock			4000	g peak
Resonance Frequency		5000		Hz
Transverse Sensitivity			2	%
Operating Temperature	-55		+125	°C
Compensated Temperature Range (CTR)	-20		+70	°C
Thermal Zero in CTR			0.03	% FS/°C
Thermal Sensitivity Drift in CTR			0.02	% FS/°C
Storage Temperature	-55		-150	°C
Non-Linearity			0.3	%
Excitation, regulated	4.8		5.2	VDC
Current consumption		4.5		mA

PHYSICAL PARAMETERS FOR ALL MODEL NUMBERS

	Anodized Aluminum				UNITS
	A1	A2	A3	A5	
Case Material					
Cable Length	77	77	77	77	inch
Mounting Provision	two M2 screws (provided)				
Mounting Torque	6-7				lb-in

	NOM				UNITS
	A1	A2	A3	A5	
Case Length	0.59	0.59	0.59	0.59	inch
Case Width	0.59	0.59	0.59	0.59	inch
Case Height	0.30	0.59	0.59	0.59	inch
Mounting Hole Spacing	0.59	0.59	0.59	0.59	inch
Mass	10	10	10	10	grams

NOTES:

SUPPLIED ACCESSORIES:

A1 (2) Mounting Screws (Model 6722), M2 x 12 flathead
A3, A5 (2) Mounting Screws (Model 6914), M2 x 20 flathead



Presented by: Absolute Gauge Technologies
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