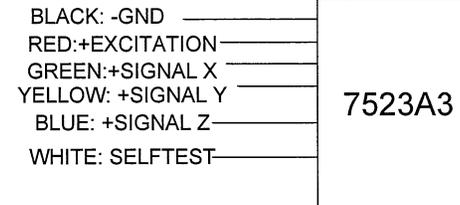
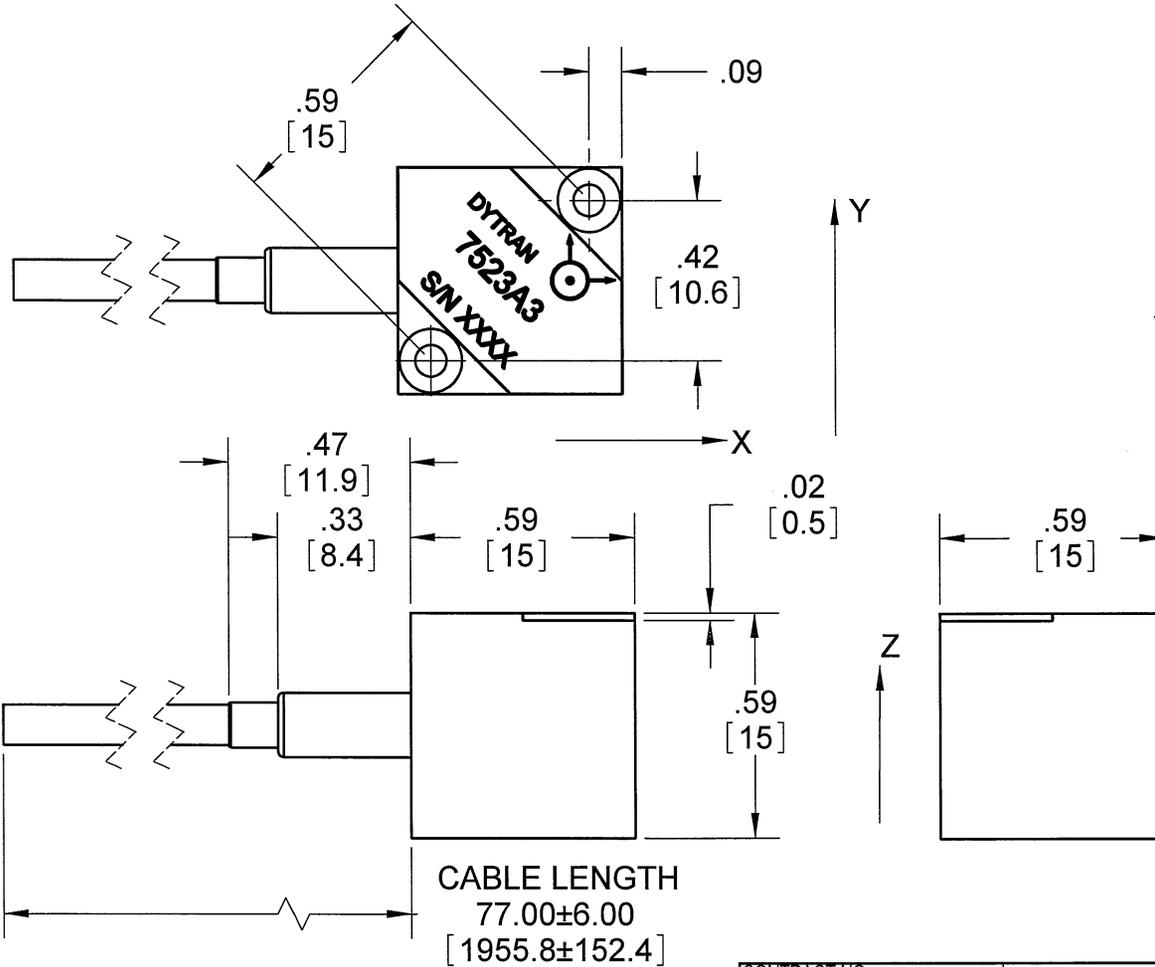


PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6489	INITIAL RELEASE	JS 01/13/10	JS	[Signature]



WIRING DIAGRAM

CABLE LENGTH
77.00±6.00
[1955.8±152.4]

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	JS	01/13/10
APP	JS	01/13/10
APP		

		MASTER ONLY IF IN RED Chatsworth, CA	
TITLE: OUTLINE /INSTALLATION DRAWING 7253A3			
SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-7523A3	A
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1



SPECIFICATIONS, SERIES 7523A TRIAXIAL ACCELEROMETER

PERFORMANCE

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

Case Material	anodized aluminum			
Cable Length	A1	A3	A5	UNITS
	79	77	79	inch
Mounting Provision	two M2 screws (provided)			

	MIN	NOM		MAX	UNITS
	A1	A3	A5		
Case Length			0.59		inch
Case Width			0.59		inch
Case Height	0.30	0.59	0.59		inch
Mounting Hole Spacing			0.59		inch
Mass				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