

5. 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

4 MARKING DENOTES LOCATION OF SENSING ELEMENT'S CENTER OF MASS

3 SEE SHEET 2 TABLE FOR CABLE SPECIFICATIONS.

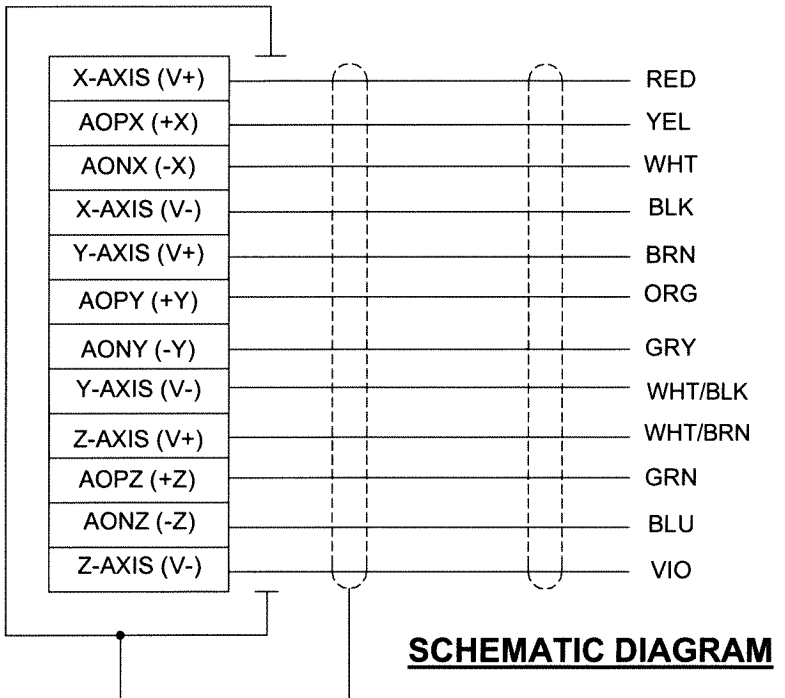
2. MATERIAL: TITANIUM ALLOY. WEIGHT: 45 GRAMS MAX, LESS CABLE.

1 PART NUMBER 7613AX-XX. "XX" DENOTES LENGTH IN FEET. SEE TABLE FOR LENGTH TOLERANCE

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL	INPUT RANGE
7613A1-XX	±2g
7613A2-XX	±5g
7613A3-XX	±10g
7613A4-XX	±25g
7613A5-XX	±50g
7613A6-XX	±100g
7613A7-XX	±200g
7613A8-XX	±400g

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14343	INITIAL RELEASE. SAME AS REV X4.	KG 07/12/18	W	AS



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.

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	LN	09/13/17
CHK	W	8/1/18
APP	AS	8/14/19

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

THIRD ANGLE PROJECTION
USA

MASTER
ONLY IN RED

TITLE: **OUTLINE/INSTALLATION DWG,
TRIAxIAL DC ACCELEROMETER,
7613AX-XX SERIES**

SIZE B	CAGE CODE 2W033	DWG NO 127-7613AX-XX	REV A
------------------	---------------------------	--------------------------------	-----------------

SCALE: 3:2

SHEET 1 OF 2

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

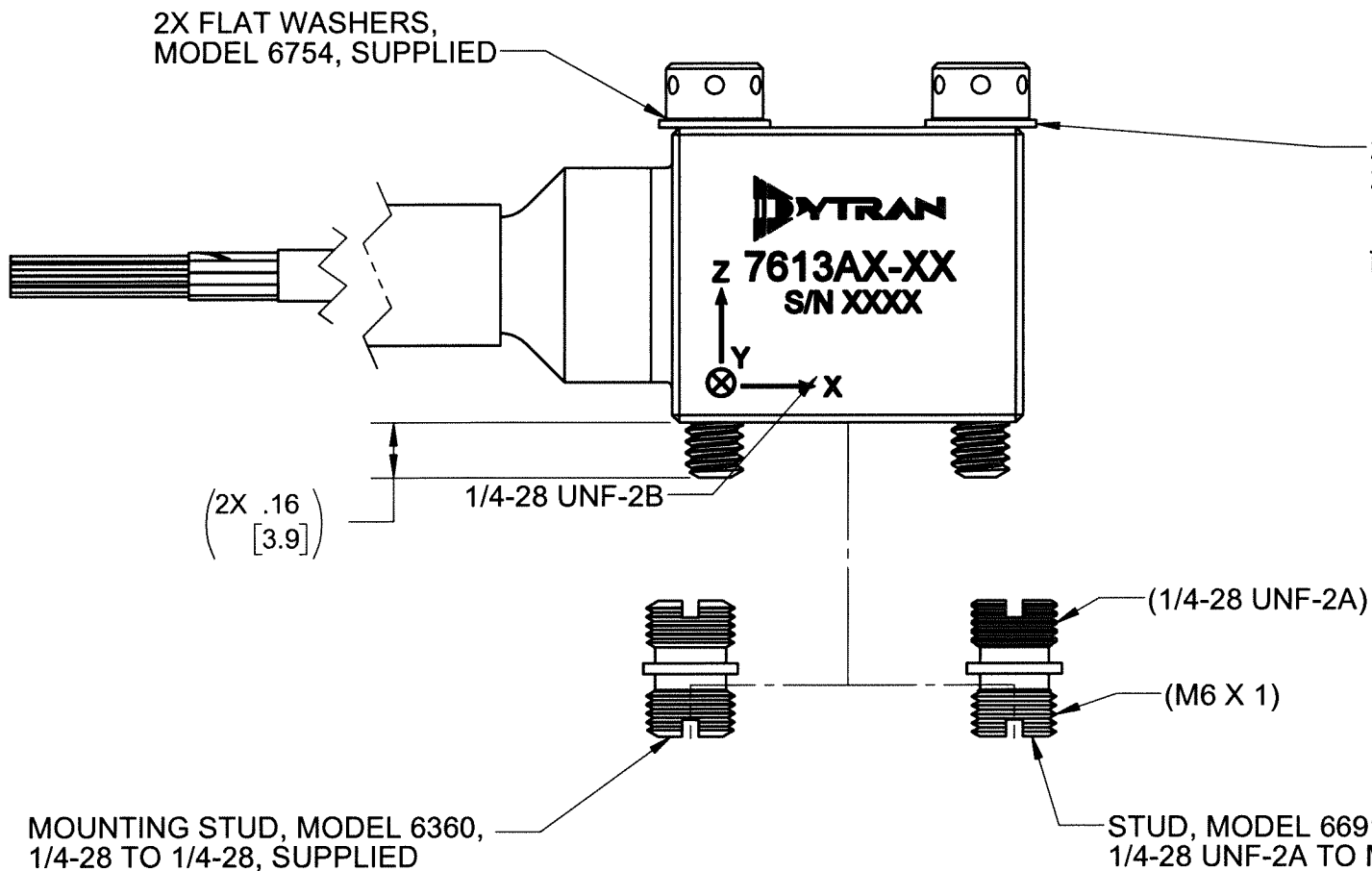
3 12 CONDUCTOR CABLE

WIRE TYPE	EXTRUDED FEP INSULATION .006 WALL THICKNESS
TEMPERATURE	200°C
VOLTAGE	600 VOLTS
WIRE DIAMETER	.032 NOMINAL
SHIELD	38 AWG SILVER PLATED COPPER BRAIDED 95% COVERAGE 7E-16C36F/30B
JACKET	EXTRUDED WHITE FEP .010 WALL THICKNESS
CABLE DIA.	Ø .171, NOM
12 CONDUCTOR AWG	26-7/34 SILVER PLATED COPPER

2X FLAT WASHERS,
MODEL 6754, SUPPLIED

2X MOUNTING SCREW, MODEL 69034A16 (8-32 x 1.0), SUPPLIED
2X MOUNTING SCREW, MODEL 6687A1 (M4x0.7 X 25mm), SUPPLIED

RECOMMENDED MOUNTING PREPARATION:
PREPARE FLAT MOUNTING SURFACE EQUAL TO OR BETTER THAN
.001 TIR. TAP 8-32 UNRC-3B .200 MIN. (OR 2X M4 X 0.7-6g .20 [5.1] MIN.)
RECOMMENDED TORQUE 10-12 LB-IN. (1.12-1.35 N-m).



RECOMMENDED MOUNTING PREPARATION: MODEL 6360
PREPARE MOUNTING SURFACE, Ø 1.25 [31.2] MIN, FLAT TO .001 TIR.
TAP 1/4-28 UNF-2B ∇ .200 [5.1] MIN. TORQUE TO 12-15 Lb-in.


RECOMMENDED MOUNTING PREPARATION: MODEL 6691
PREPARE MOUNTING SURFACE, Ø 1.25 [31.2] MIN, FLAT TO
.001 TIR. TAP M6 X 1 ∇ .200 [5.1] MIN. TORQUE TO 12-15 Lb-in.



TITLE: OUTLINE/INSTALLATION DWG,
TRIAxIAL DC ACCELEROMETER,
7613AX-XX SERIES

SIZE B	CAGE CODE 2W033	DWG NO 127-7613AX-XX	REV A
-----------	--------------------	-------------------------	----------

SCALE: 2:1 SHEET 2 OF 2

Model Number 7613A2-XX	PERFORMANCE SPECIFICATION				DOC NO PS7613A2-XX
	TRIAxIAL VARIABLE CAPACITANCE ACCELEROMETER				REV B, ECN 14672, 11/30/18
	• VARIABLE CAPACITANCE TECHNOLOGY • DIFFERENTIAL MODE • HERMETICALLY SEALED • DC RESPONSE				

