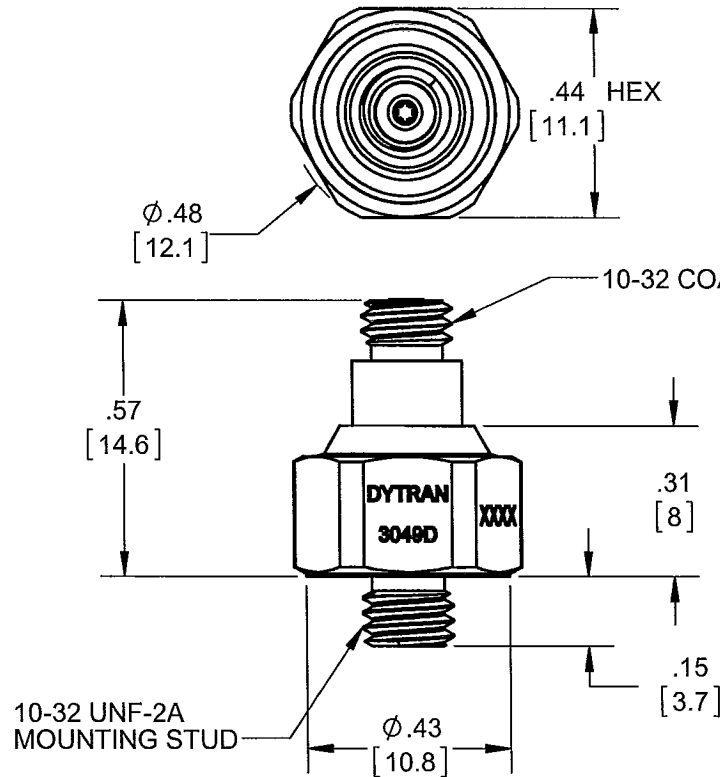


**PROPRIETARY AND CONFIDENTIAL**

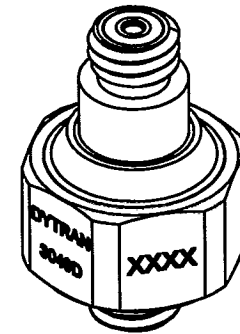
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**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	9307	REVISED TO REFLECT NEW HOUSING. NOTE 3: IS :WEIGHT 4.0 GRAMS NOM. WAS: 2.8 GRAMS NOM.	LN 11/02/12	JS	AS
C	9633	NOTE 1: IS :5.0 pC/g NOM. WAS: 5.6 GRAMS NOM. NOTE 2: IS : 1500pF NOM. WAS: 650pF NOM.	LN 02/18/13	PT	AS



ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE CHARGE OUTPUT



- 3. WEIGHT: 4.0 GRAMS NOM.
- 2. CAPACITANCE: 1500pF NOM.
- 1. SENSITIVITY: 5.0 pC/g NOM.

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 PML	12/17/05
CHK PT	02/19/13
APP PML	06/08/06
APP	

**DYTRAN MASTER INSTRUMENTS, INC.** Chatsworth, CA

ONLY PRINTED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3049D**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3049D</b>	REV <b>C</b>
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

**SPECIFICATIONS MODEL 3049D, 3049D1**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT, MAX.                    3049D	4.0	grams
WEIGHT, MAX.                    3049D1	3.5	grams
SIZE, HEX X HEIGHT	.44 (11mm) X .57	inches
MOUNTING, 3049D	10-32 integral stud	
MOUNTING, 3049D1	adhesive mount	
CONNECTOR, TOP MOUNTED	10-32	coaxial
MATERIAL, HOUSING AND CONNECTOR	Titanium alloy	
<b>PERFORMANCE</b>		
SENSITIVITY, ± 15% [1]	5.0	pC/g
FREQUENCY RANGE, ± 5%	to 8k	Hz
RESONANT FREQUENCY	>40	kHz
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.03	g/με @250με
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION/SHOCK	1000/2000	±g pk
TEMPERATURE RANGE	-100 to +350	°F
SEAL, HERMETIC	glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.06	%/°F
<b>ELECTRICAL</b>		
CAPACITANCE, NOM.	1500	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		positive
CASE GROUNDING	signal ground is isolated from mounting surface	

[1] Measured at 100 Hz, 1 g rms per ISA RP 37.2.

[2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.