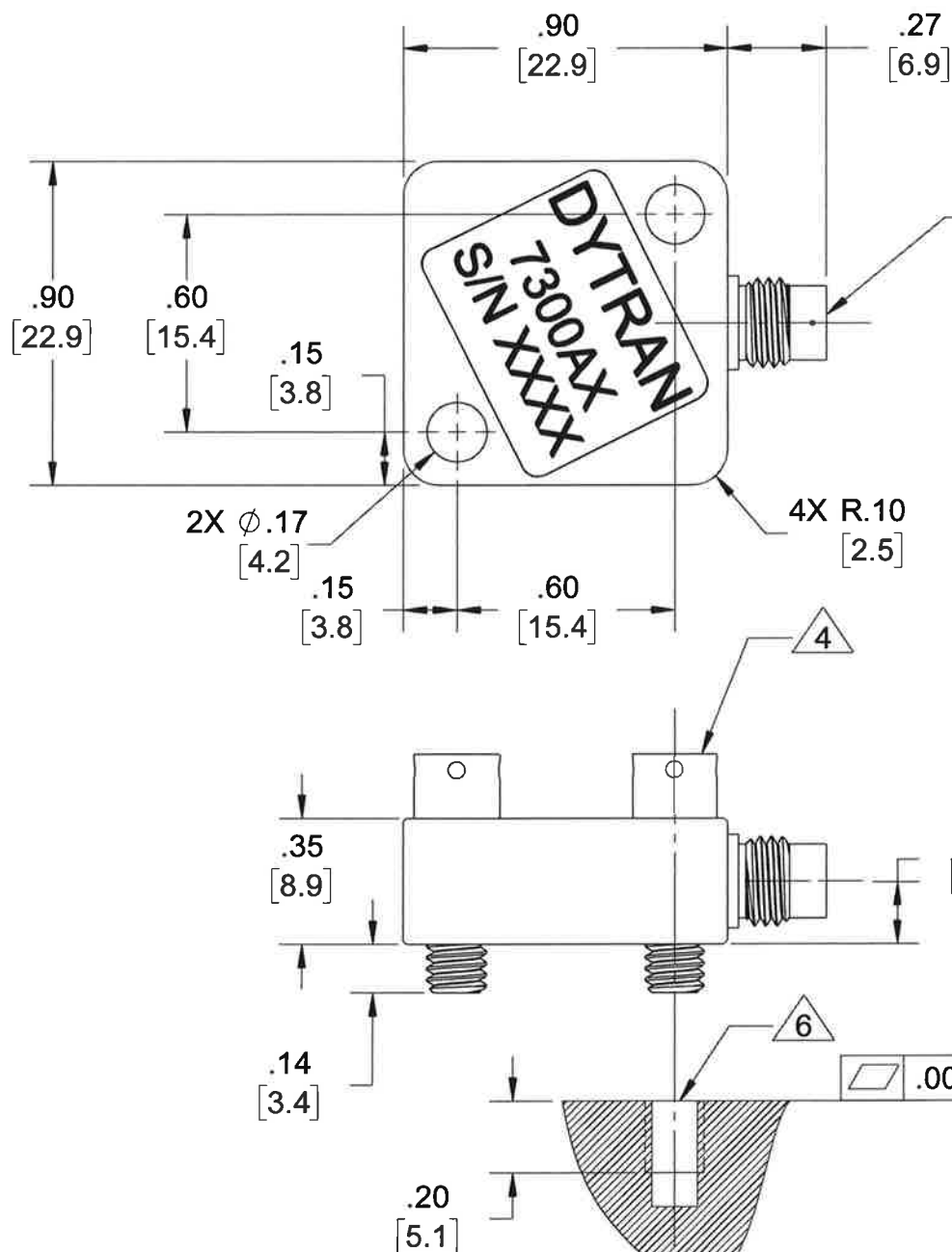


PROPRIETARY AND CONFIDENTIAL

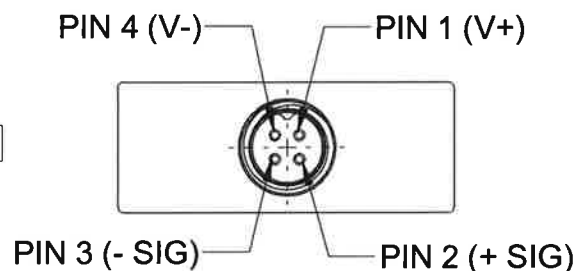
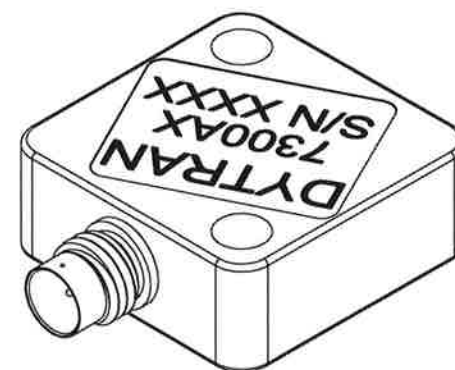
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11030	INITIAL RELEASE	NDC 08/13/14	RT	DV
B	11746	NOTE 5 IS: ... CABLE PN 6854AXX OR 6877AXX WAS: CABLE PN 6430XX OR 6483XX.	LA 02/09/15	JS	LN
C	11865	CONECTOR IS:120-0146-01 WAS: 120-0104-01	EM 04/16/15	LA	DV
D	12423	NOTE 4 WAS: ...MODEL 6535 (2X) & 6692 (2X) ...	LA 01/05/16	AS	AS



1/4-28 UNF-2A
CONNECTOR



6 MOUNTING RECOMMENDATIONS:
PREPARE FLAT MOUNTING SURFACE EQUAL OR BETTER THAN .001 TIR.
TAP 8-32 UNC-2B ∇ .200 MIN. (OR 2X M4x0.7 ∇ .20 [5.1] MIN.)
RECOMMENDED TORQUE 10-12 LB-IN. (1.12 - 1.35 N-m).

5 MATES WITH DYTRAN CABLE PN 6854AXX OR 6877AXX.

4 MOUNTING SCREW DYTRAN MODEL 6535 (2X) & 6692A12 (2X) PROVIDED.

3. HOUSING MATERIAL: ALUMINUM ALLOY, ANODIZED, COLOR: BLUE.

2. OPERATING TEMPERATURE: -67°F TO +257°F. (-19°C TO +125°C)

1. WEIGHT: 13 GRAMS MAX.

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL NO	REV	ECN	DATE	RANGE
7300A1	D	12423	01/05/16	±2g
7300A2	D	12423	01/05/16	±5g
7300A3	D	12423	01/05/16	±10g
7300A4	D	12423	01/05/16	±25g
7300A5	D	12423	01/05/16	±50g
7300A6	D	12423	01/05/16	±100g
7300A7	D	12423	01/05/16	±200g
7300A8	D	12423	01/05/16	±400g

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.

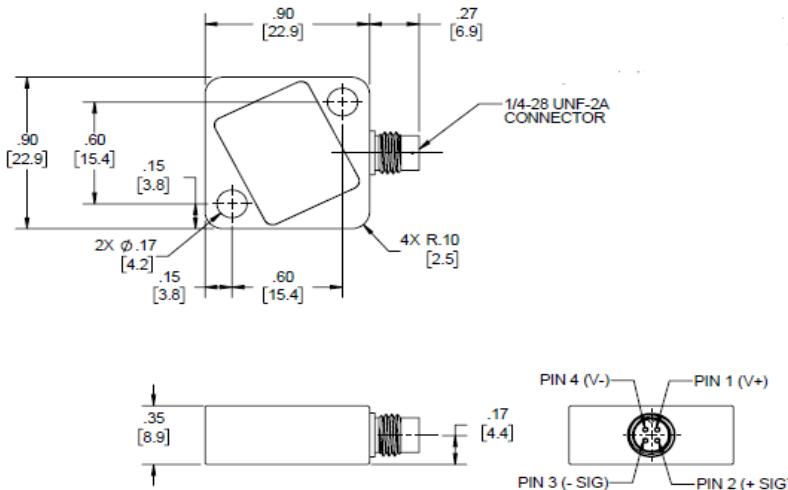
ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS TOLERANCES ARE:			
DECIMALS		METRIC	
.XX ±.03		.X ± 0.8	
.XXX ±.010		.XX ±0.25	
		ANGLES ±1°	
APPROVALS		DATE	
ORIG	AB	08/12/13	
CHK	RT	09/29/14	
APP	DV	10/08/14	
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA 	



TITLE: **OUTLINE/INSTALLATION
DRAWING, 7300A**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-7300A	D
SCALE: 1:4		SHEET 1 OF 1	

Model Number 7300A1		PERFORMANCE SPECIFICATION				DOC NO PS7300A1	
		VARIABLE CAPACITANCE ACCELEROMETER				REV H, ECN 13117, 11/18/16	
		• VARIABLE CAPACITANCE ACCELEROMETER • DIFFERENTIAL MODE • DC RESPONSE					
		ENGLISH				SI	
PHYSICAL							
Weight, Max		0.4	oz	12	grams		
Mounting	Thru Holes	2 X Ø.16		2 X Ø.16			
Material		Aluminum, Anodized		Aluminum, Anodized			
Connector		1/4-28, 4 pin		1/4-28, 4 pin			
PERFORMANCE							
Input Range		±2	g	±19.613	m/s ²		
Frequency Response, ±3dB		0-400	Hz	0-400	Hz		
Resonant Frequency		>1200	Hz	>1200	Hz		
Sensitivity Differential, ±10% [1]		2,000	mV/g	203.9	mV/m/s ²		
Output Noise, Differential, Typ		7	µ g rms/√ Hz	69	µ m/s ² /√ Hz		
Non-Linearity, Max [3]		0.5	% F.S	0.5	% F.S		
Transverse Sensitivity, Max		3	%	3	%		
Scale Factor Calibration Error, Max		1	%	1	%		
Zero Measured Output		±50	mV	±50	mV		
ENVIRONMENTAL							
Maximum Mechanical Shock		2000	gpk	19620	m/s ² peak		
Bias Temperature Shift, Max [2]		111	(ppm of span)/°F	200	(ppm of span)/°C		
Bias Calibration Error, Max		.5	% of span	.5	% of span		
Operating Temperature Range		-67 to +257	°F	-55 to +125	°C		
Scale Factor Temperature Shift [2]		-111 to 111	ppm/°F	-200 to 200	ppm/°C		
Seal		Epoxy		Epoxy			
ELECTRICAL							
Output Common Mode Voltage, TYP		2.45		2.45			
Output Impedence, Nom		90	Ω	90	Ω		
Operating Voltage		+5 to +32	VDC	+5 to +32	VDC		
Operating Current (AOP & AON open)		12 to 14	mA DC	12 to 14	mA DC		
Power Supply Rejection Ratio		>65	dB	>65	dB		
Case Isolated		30	MΩ	30	MΩ		
		This family also includes:					
		Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±10% (mV/g)	Max.Shock (gpk)	Noise Differential (µg rms/√Hz)
		7300A2	± 5	0-600	800	2000	12
		7300A3	± 10	0-1000	400	5000	18
		7300A4	± 25	0-1500	160	5000	25
		7300A5	± 50	0-2000	80	5000	50
		7300A6	± 100	0-2500	40	5000	100
		7300A7	± 200	0-1750	20	5000	200
		7300A8	± 400	0-2000	10	5000	400
		Refer to the performance specifications of the products in this family for detailed description.					
		Supplied Accessories:					
		1) Accredited calibration certificate (ISO 17025)					
		2) Two mounting screws model # 6535					
		3) Two mounting screws model # 6692A12					
		Notes:					
		[1] Single ended sensitivity is half of values shown.					
		[2] Over the rated temperature range.					
		[3] -90% to +90% of Full Scale.					
		[4] In the interest of constant product improvement, we reserve the right to change specifications without notice.					
							
		Units on the line drawing are in inches, dimensions in brackets [] are in millimeters. Refer to 127-7300A for more information.					



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