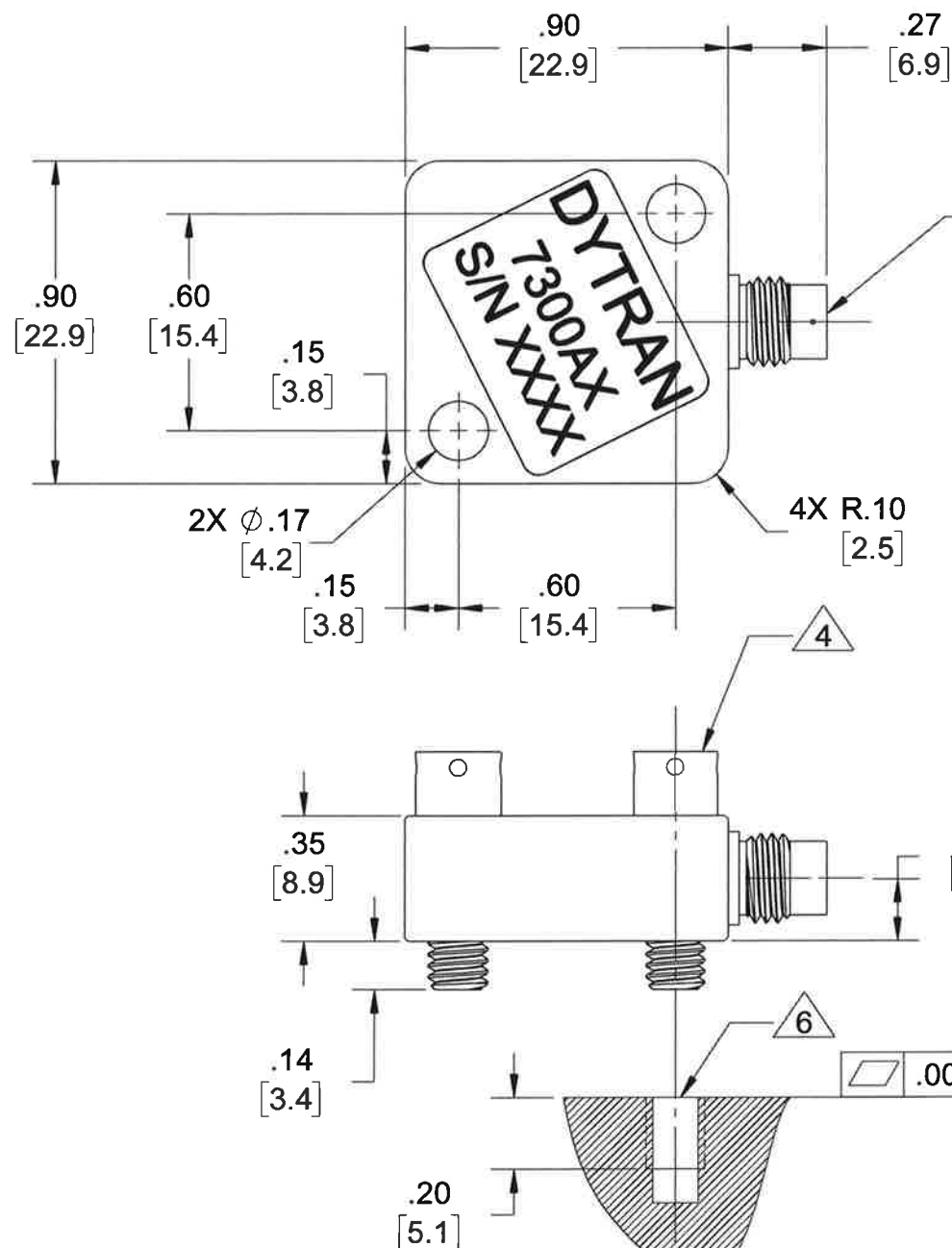


PROPRIETARY AND CONFIDENTIAL

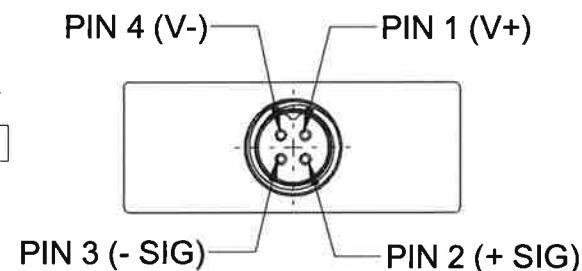
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REVISIONS

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 ⁵



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

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

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:

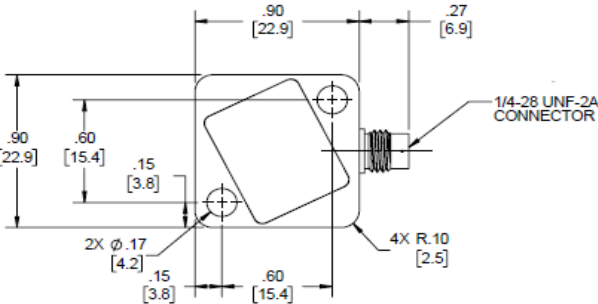
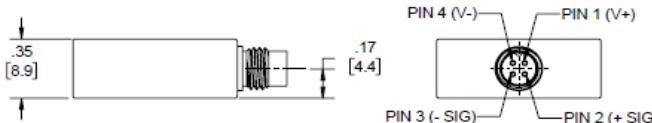
DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25	

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 7300A7		PERFORMANCE SPECIFICATION				DOC NO PS7300A7	
		VARIABLE CAPACITANCE ACCELEROMETER				REV H, ECN 13117, 11/18/16	
		• VARIABLE CAPACITANCE ACCELEROMETER • DIFFERENTIAL MODE • DC RESPONSE					
		ENGLISH				SI	
PHYSICAL Weight, Max Mounting Material Connector	Thru Holes		0.4	oz		12	grams
			2 X Ø.16			2 X Ø.16	
			Aluminum, Anodized			Aluminum, Anodized	
			1/4-28, 4 pin			1/4-28, 4 pin	
PERFORMANCE Input Range Frequency Response, ±3dB, Min Resonant Frequency Sensitivity Differential, ±10% [1] Output Noise, Differential, Typ Non-Linearity, Max [3] Transverse Sensitivity, Max Scale Factor Calibration Error, Max Zero Measured Output			±200	g		±1961.3	m/s ²
			0-1750	Hz		0-1750	Hz
			>3500	Hz		>3500	Hz
			20	mV/g		2.0	mV/m/s ²
			200	µ g rms/√ Hz		1,962	µ m/s ² /√ Hz
			0.5	% F.S		0.5	% F.S
			3	%		3	%
			1	%		1	%
			±50	mV		±50	mV
ENVIRONMENTAL Maximum Mechanical Shock Bias Temperature Shift, Max [2] Bias Calibration Error, Max Operating Temperature Range Scale Factor Temperature Shift [2] Seal			5000	gpk		49050	m/s ² peak
			111	(ppm of span)/°F		200	(ppm of span)/°C
			.5	% of span		.5	% of span
			-67 to +257	°F		-55 to +125	°C
			-111 to 111	ppm/°F		-200 to 200	ppm/°C
			Epoxy			Epoxy	
ELECTRICAL Output Common Mode Voltage, TYP Output Impedence, Nom Operating Voltage Operating Current (AOP & AON open) Power Supply Rejection Ratio Case Isolated			2.45			2.45	
			90	Ω		90	Ω
			+5 to +32	VDC		+5 to +32	VDC
			12 to 14	mA DC		12 to 14	mA DC
			>65	dB		>65	dB
			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)	
7300A1	± 2	0-400	2,000		2000	7	
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	
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.					
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com					

This family also includes:

Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±10% (mV/g)	Max.Shock (gpk)	Noise Differential (µg rms/√Hz)
7300A1	± 2	0-400	2,000	2000	7
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
7300A8	± 400	0-2000	10	5000	400

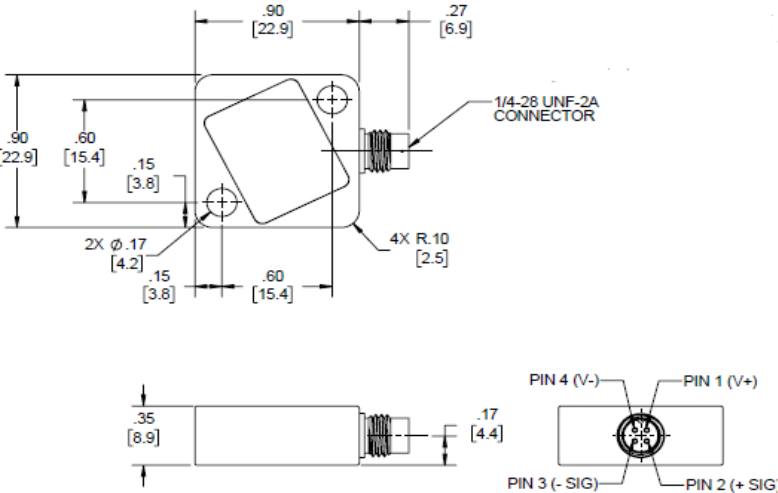
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