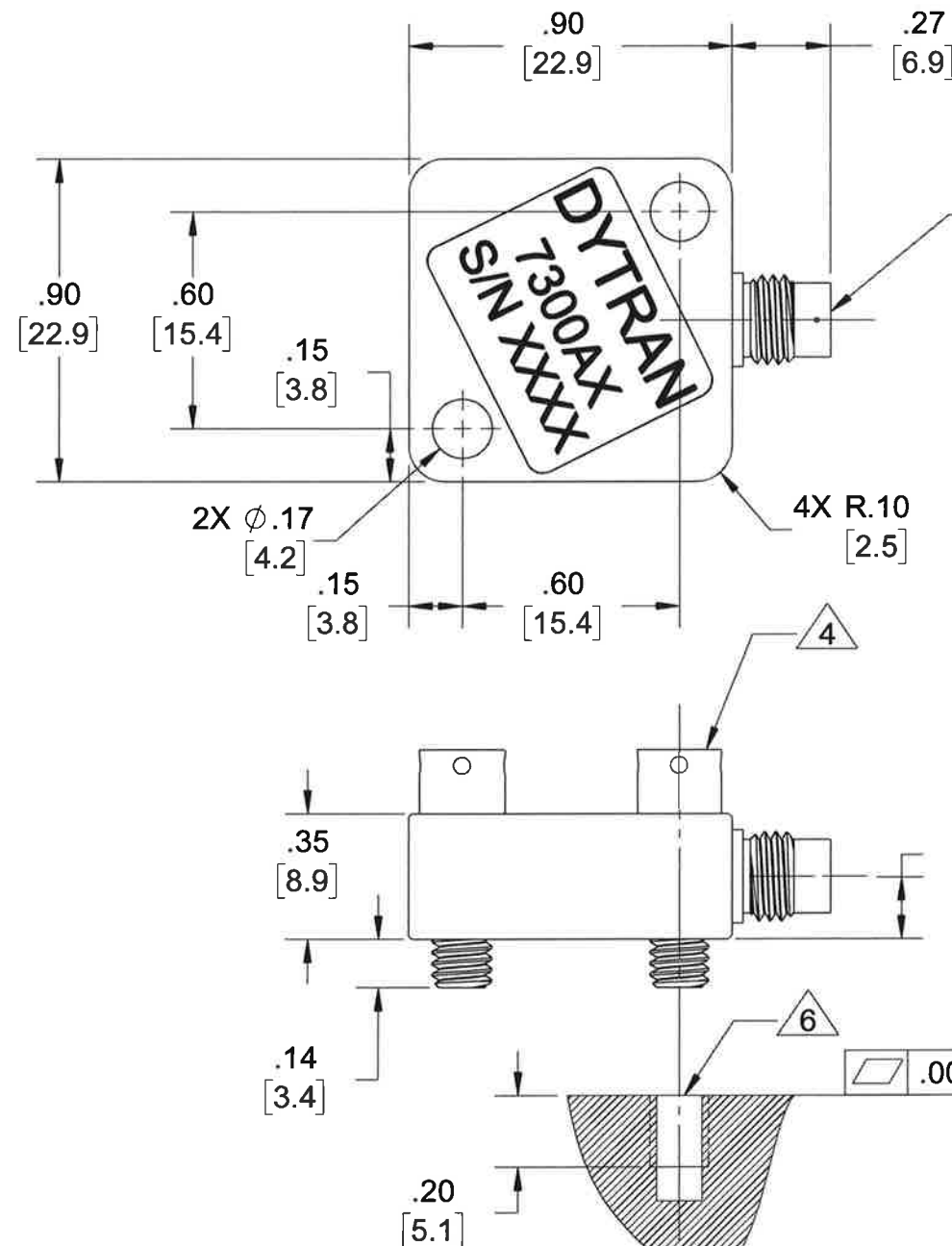


PROPRIETARY AND CONFIDENTIAL

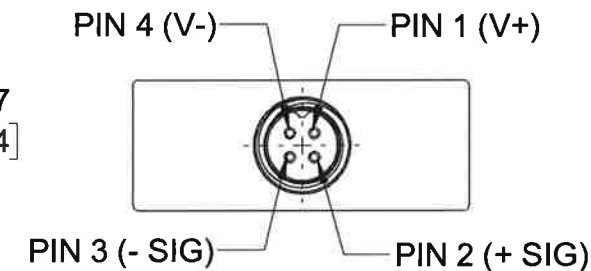
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REVISIONS

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



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	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



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

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-7300A	D

SCALE: 1:4 SHEET 1 OF 1

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 Number 7300A4		PERFORMANCE SPECIFICATION				DOC NO PS7300A4	
		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							
		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 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							
		±25 g		±245.17 m/s ²			
		0-1500 Hz		0-1500 Hz			
		>2000 Hz		>2000 Hz			
		160 mV/g		16.3 mV/m/s ²			
		25 µg rms/√Hz		245 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			