

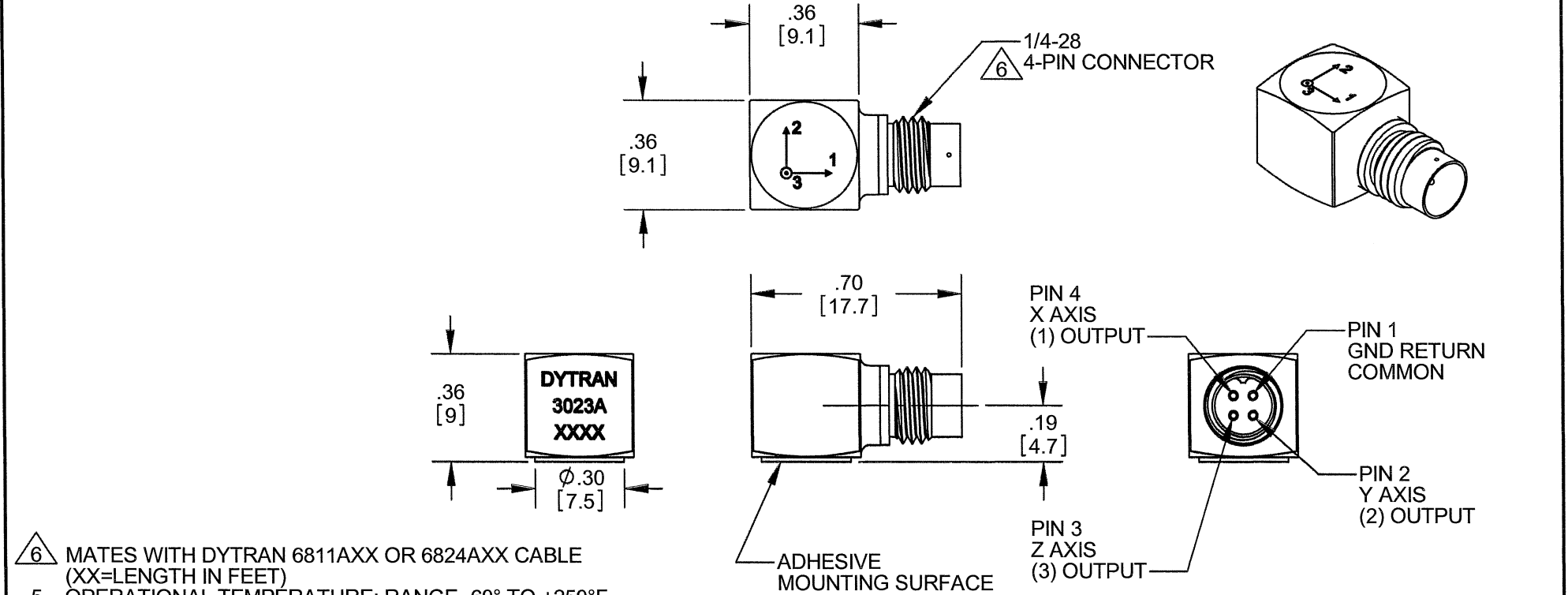



PROPRIETARY AND CONFIDENTIAL	REVISIONS					
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	A	6250	ADDED NOTE 5 & 6 AND REFORMATTED	RA, 11/23/09		



6. MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE (XX=LENGTH IN FEET)
5. OPERATIONAL TEMPERATURE: RANGE -60° TO +250°F
4. SENSITIVITY: 10mV/G NOM.
3. WEIGHT: 3 GRAMS NOM
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED.

3023A		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		CONTRACT NO.		DYTRAN INSTRUMENTS, INC. MASTER ONLY IF IN RED	
USED ON	NEXT ASSY	APPLICATION		MATERIAL		APPROVALS		DATE	
THIRD ANGLE PROJECTION USA		DO NOT SCALE DRAWING		FINISH		ORIG	PML	05/09/03	
						CHK	PML	05/12/03	
						APP	NC	05/12/03	
						APP			
						SIZE		CAGE CODE	
						A		2W033	
						DWG. NO.		REV	
						127-3023A		A	
						SCALE: 4:1		SOLIDWORKS	
								SHEET 1 OF 1	

Model Number		PERFORMANCE SPECIFICATIONS				DOC NO	
3023A		TRI AXIAL IEPE ACCELEROMETER				PS3023A	
						REV H, ECN 17104, 03/29/23	
		<ul style="list-style-type: none">• MINATURE SIZE• EXCELLENT LINEARITY• ULTRA LOW WEIGHT					
		ENGLISH		SI			
PHYSICAL							
Weight, Max.		0.11	oz	3.0	grams		
Connector		4-PIN		4-PIN			
Mounting Provision		Adhesive Mount		Adhesive Mount			
Material, Housing/Connector		Titanium Alloy		Titanium Alloy			
Sensing Element		Quartz		Quartz			
Element Style		Shear		Shear			
PERFORMANCE							
Sensitivity, -10 / +15 %		10	mV/g	1	mV/m/s ²		
Range for ± 5 Volts Output		±500	g pk	±4903	m/s ² pk		
Frequency Response		1.5 to 4000	Hz	1.5 to 4000	Hz		
		±5%					
		-5 / +15%					
Resonant Frequency		1.5 to 10000	Hz	1.5 to 10000	Hz		
Broad Band Resolution [6]		> 40	kHz	> 40	kHz		
Spectral Noise		0.01	g RMS	0.098	m/s ² RMS		
		1.25Hz					
		3000	µg RMS/√(Hz)	29430	µm/s ² RMS/√(Hz)		
		10Hz					
		1000	µg RMS/√(Hz)	9810	µm/s ² RMS/√(Hz)		
		100Hz					
		200	µg RMS/√(Hz)	1962	µm/s ² RMS/√(Hz)		
		1000Hz					
		50	µg RMS/√(Hz)	491	µm/s ² RMS/√(Hz)		
		10000Hz					
		40	µg RMS/√(Hz)	392	µm/s ² RMS/√(Hz)		
Linearity [2]		1	% F.S.	1	% F.S.		
Maximum Transverse sensitivity		6	%	6	%		
Strain Sensitivity @ 250µε		0.039	g/µε	0.38	m/s ² /µε		
Signal Polarity		[5]		[5]			
ENVIRONMENTAL							
Maximum Shock		5000	g pk	49033	m/s ² pk		
Temperature Range		-60 to +250	°F	-51 to +121	°C		
Seal		Hermetic		Hermetic			
Magnetic Sensitivity at 100 Gauss		0.00005	g/Gauss	4.905	m/s ² /T		
ELECTRICAL							
Supply Current Range [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		18 to 30	Volts	18 to 30	Volts		
Output Impedance, Typ		100	Ω	100	Ω		
Bias Voltage		7 to 11	VDC	7 to 11	VDC		
Discharge Time Constant		0.3 to 1.5	Sec	0.3 to 1.5	Sec		
Electrical Isolation		Case Grounded	GΩ,min	Case Grounded	GΩ,min		