

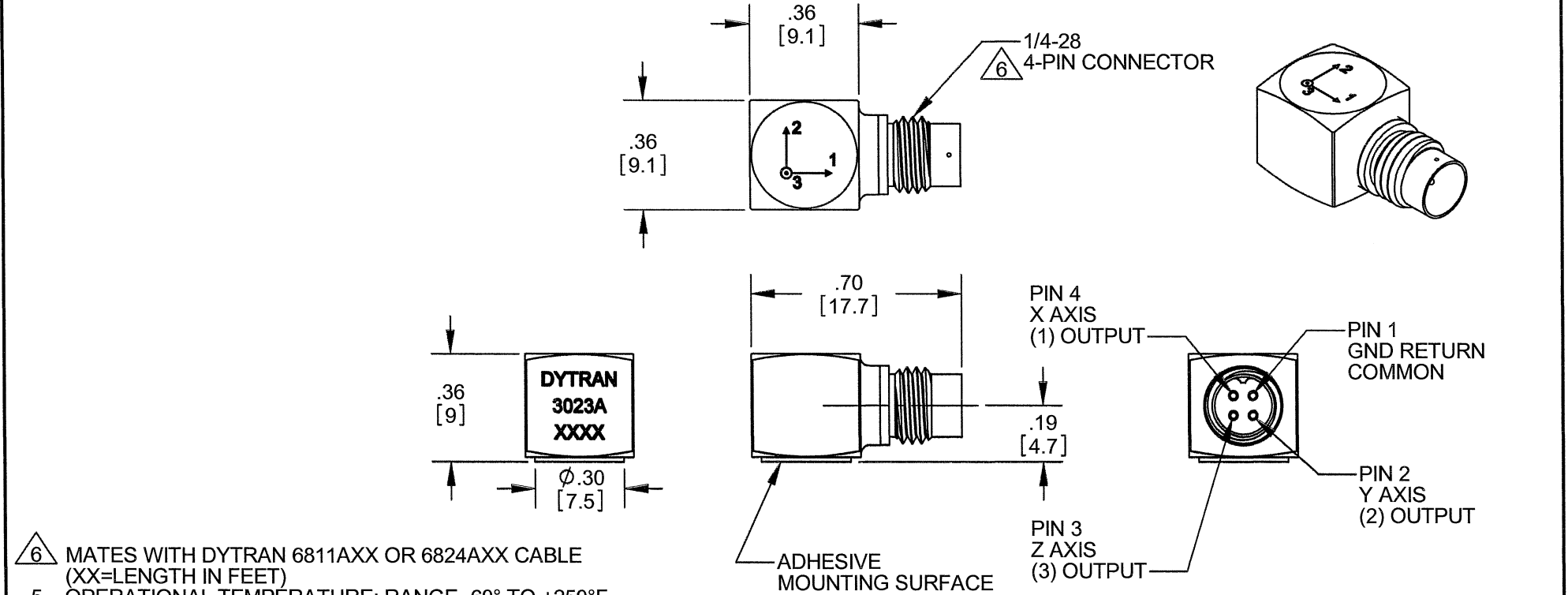



PROPRIETARY AND CONFIDENTIAL	REVISIONS					
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	A	6250	ADDED NOTE 5 & 6 AND REFORMATTED	RA, 11/23/09		



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		FINISH		ORIG		PML		05/09/03	
		DO NOT SCALE DRAWING		CHK		PML		05/12/03	
				APP		NC		05/12/03	
				APP					
TITLE:		SIZE		CAGE CODE		DWG. NO.		REV	
OUTLINE/INSTALLATION DRAWING, MODEL 3023A		A		2W033		127-3023A		A	
SCALE: 4:1		SOLIDWORKS		SHEET 1 OF 1					

Model Number		PERFORMANCE SPECIFICATIONS				DOC NO	
3023A		TRI AXIAL IEPE ACCELEROMETER				PS3023A	
						REV G, ECN 14272, 06/18/18	
		<ul style="list-style-type: none">• MINATURE SIZE• EXCELLENT LINEARITY• ULTRA LOW WEIGHT					
PHYSICAL		ENGLISH		SI			
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		ENGLISH		SI			
Sensitivity, -10 / +15 % [1]		10 mV/g		1 mV/m/s ²			
Range for ± 5 Volts Output		±500 g		±4903 m/s ²			
Frequency Response		1.5 to 4000 Hz		1.5 to 4000 Hz			
±5%		1.5 to 10000 Hz		1.5 to 10000 Hz			
-5 / +15%		> 40 kHz		> 40 kHz			
Resonant Frequency		0.007 Grms		0.069 m/s ² rms			
Broad Band Resolution [6]		0.003 Grms/v(Hz)		0.029 m/s ² rms/v(Hz)			
Spectral Noise		0.001 Grms/v(Hz)		0.0098 m/s ² rms/v(Hz)			
1.25Hz		0.0002 Grms/v(Hz)		0.00196 m/s ² rms/v(Hz)			
10Hz		0.00005 Grms/v(Hz)		0.00049 m/s ² rms/v(Hz)			
100Hz		0.00004 Grms/v(Hz)		0.00039 m/s ² rms/v(Hz)			
1000Hz		1 % F.S.		1 % F.S.			
10000Hz		6 %		6 %			
Linearity [2]		0.039 g/µε		0.38 m/s ² /µε			
Maximum Transverse sensitivity		[5]		[5]			
Strain Sensitivity @ 250µε		±600 Gpeak		±5884 m/s ² peak			
Signal Polarity		5000 Gpeak		49033 m/s ² peak			
ENVIRONMENTAL		°F		°C			
Maximum Vibration		-60 to +250		-51 to +121			
Maximum Shock		Hermetic		Hermetic			
Temperature Range		0.00005 g/Gauss		4.905 m/s ² /T			
Seal		2 to 20 mA		2 to 20 mA			
Magnetic Sensitivity at 100 Gauss		18 to 30 Volts		18 to 30 Volts			
ELECTRICAL		Ω		Ω			
Supply Current Range [3]		7 to 11 VDC		7 to 11 VDC			
Compliance Voltage Range		0.3 to 1.5 Sec		0.3 to 1.5 Sec			
Output Impedance, Typ		Case Grounded GΩ,min		Case Grounded GΩ,min			
Bias Voltage							
Discharge Time Constant							
Electrical Isolation							



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
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