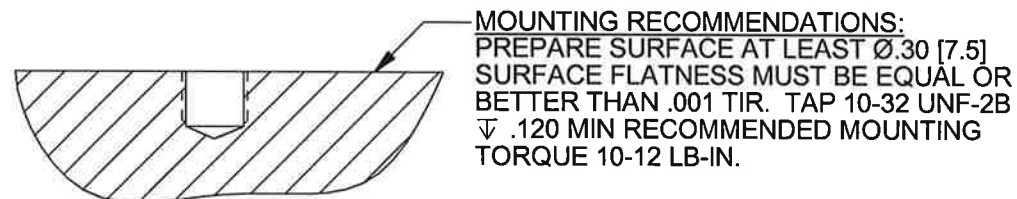
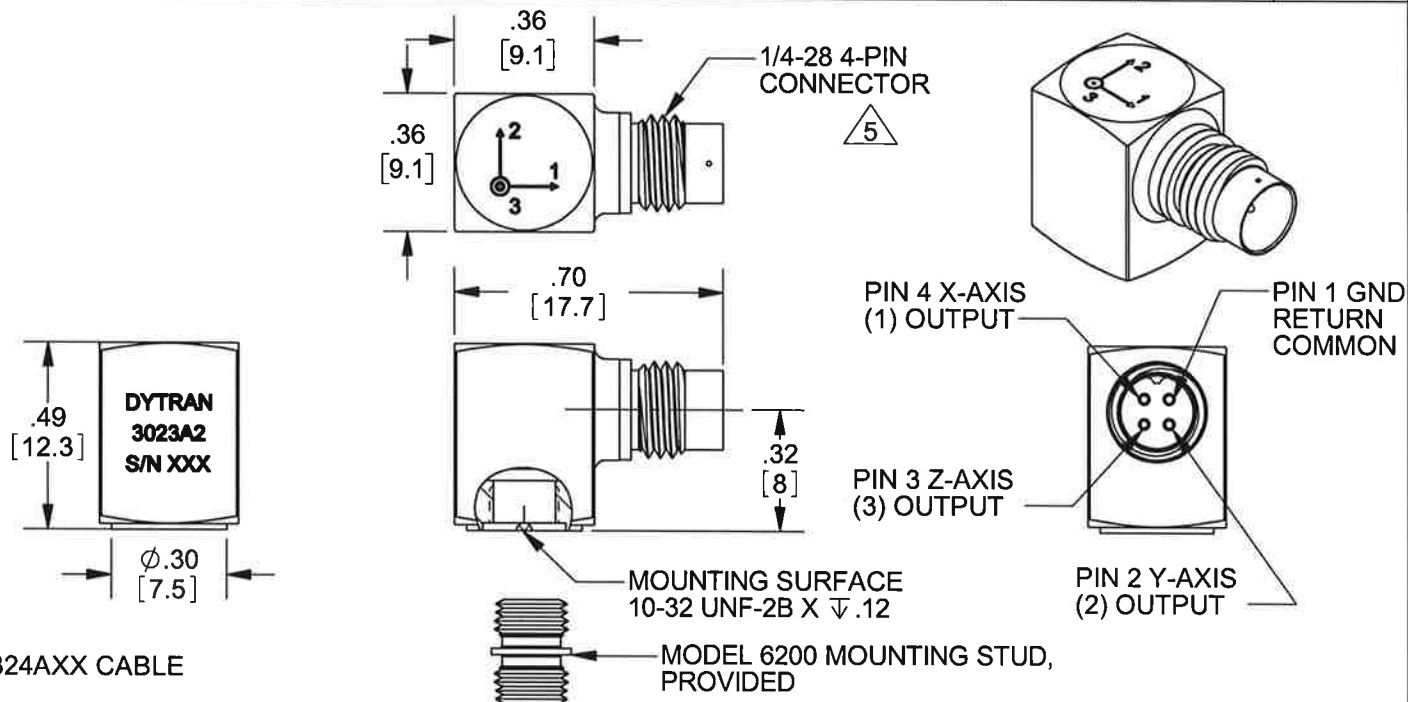


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS, INC. IS PROHIBITED

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	13153	SEE ECN	JB 11/30/16	Em	AS



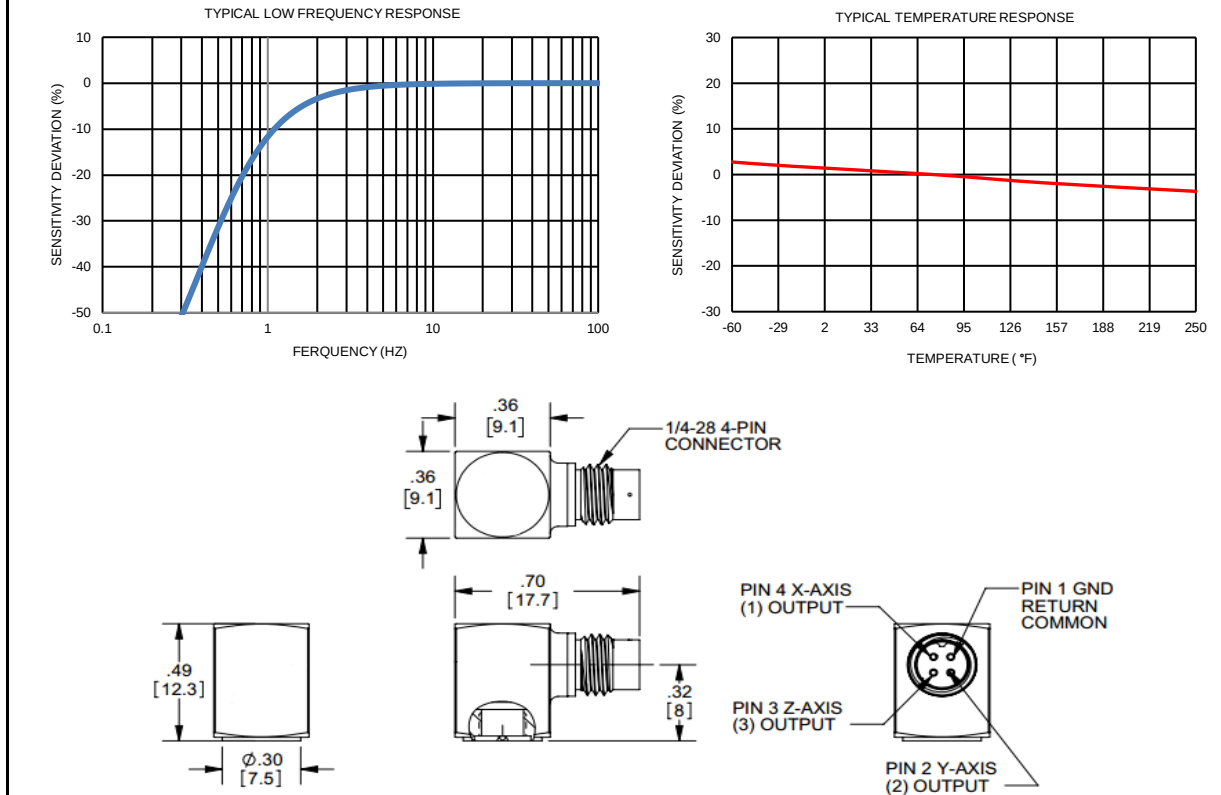
5 MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE (XX= LENGTH IN FEET)

- SENSITIVITY: 10mV/g NOMINAL
- WEIGHT: 4 GRAMS APPROX.
- ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
- MATERIAL: TITANIUM ALLOY

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. 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.		MASTER DYTRAN ONLY IF IN RED INSTRUMENTS, INC. Chatsworth, CA	
USED ON	NEXT ASSY	MATERIAL		APPROVALS		DATE	
APPLICATION		FINISH		ORIG RA 01/14/05		CHK PML 01/14/05	
THIRD ANGLE PROJECTION USA		DO NOT SCALE DRAWING		APP PML 01/14/05		APP	
TITLE:				OUTLINE/INSTALLATION DRAWING, 3023A2			
SIZE		CAGE CODE		DWG. NO.		REV	
A		2W033		127-3023A2		B	
SCALE: 2:1				SOLIDWORKS		SHEET 1 OF 1	

MODEL NUMBER		PERFORMANCE SPECIFICATIONS				DOC NO	
3023A2						PS3023A2	
		TRIAXIAL IEPE ACCELEROMETER				REV K, ECN 17104, 03/29/23	
		• STUD MOUNT • EXCELLENT LINEARITY • ULTRA LOW WEIGHT					
		ENGLISH		SI			
PHYSICAL							
Weight, Max.		0.14	oz	4.0	grams		
Connector		4-Pin		4-Pin			
Mounting Provision		10-32 Tapped Hole		10-32 Tapped Hole			
Material, Housing/Connector		Titanium Alloy		Titanium Alloy			
Sensing Element		Quartz		Quartz			
Element Style		Shear		Shear			
PERFORMANCE							
Sensitivity, -10 / +15% [6]		10	mV/g	1	mV/m/s ²		
Range for ± 5 Volts Output		±500	g pk	±4903	m/s ² pk		
Frequency Response, 1 & 2 Axes:		1.62 to 4,000	Hz	1.62 to 4,000	Hz		
Axis 3:		0.54 to 10,000	Hz	0.54 to 10,000	Hz		
		1.62 to 4,000	Hz	1.62 to 4,000	Hz		
-5/+15%		1.62 to 10,000	Hz	1.62 to 10,000	Hz		
Resonant Frequency		> 40	kHz	> 40	kHz		
Broad Band Resolution [5]		0.01	g RMS	0.098	m/s ² RMS		
Spectral Noise		3000	µg RMS/√(Hz)	30000	µm/s ² RMS/√(Hz)		
		1000	µg RMS/√(Hz)	10000	µm/s ² RMS/√(Hz)		
		200	µg RMS/√(Hz)	2000	µm/s ² RMS/√(Hz)		
		50	µg RMS/√(Hz)	500	µm/s ² RMS/√(Hz)		
		40	µg RMS/√(Hz)	400	µm/s ² RMS/√(Hz)		
Linearity [1]		1	% F.S.	1	% F.S.		
Maximum Transverse Sensitivity		6	%	6	%		
Strain Sensitivity @ 250µε		0.006	g/µε	0.06	m/s ² /µε		
Signal Polarity		[4]		[4]			
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 [2]		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 - 1.5	Sec	0.3 - 1.5	Sec		
Electrical Isolation		Case Grounded		Case Grounded			



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3023A2 for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.698.0362 www.dytran.com
 For permission to reprint this content, please contact info@dytran.com