

PROPRIETARY AND CONFIDENTIAL		REVISIONS					
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MODEL	SENSITIVITY	B	6250	ADDED NOTE 5 & 6, REFORMATED	RA, 11/23/09	EP	DV
3023AH	10mV/G	C	7540	ADDED MODEL 3023A4H, TEMPERATURE: RANGE - IS: 60° TO +325°F, WAS: 60° TO +320°F	JS 07/06/11		AS
3023A3H	5mV/G						
3023A4H	1mV/G						

PIN 4
X AXIS
(1) OUTPUT

PIN 1
GND RETURN
COMMON

PIN 3
Z AXIS
(3) OUTPUT

PIN 2
Y AXIS
(2) OUTPUT

6 MATES WITH 6967AXX CABLE (XX=LENGTH IN FEET)

5. OPERATIONAL TEMPERATURE: RANGE -60° TO +325°F

4. SENSITIVITY: SEE TABLE

3. WEIGHT: 3 GRAMS

2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT

1. 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.												
USED ON	NEXT ASSY			APPROVALS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ORIG</td> <td>PML</td> <td>06/12/05</td> </tr> <tr> <td>CHK</td> <td>CES</td> <td>06/12/05</td> </tr> <tr> <td>APP</td> <td>DV</td> <td>06/13/05</td> </tr> <tr> <td>APP</td> <td></td> <td></td> </tr> </table>	ORIG	PML	06/12/05	CHK	CES	06/12/05	APP	DV	06/13/05	APP		
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CHK	CES	06/12/05														
APP	DV	06/13/05														
APP																
APPLICATION																
THIRD ANGLE PROJECTION USA																

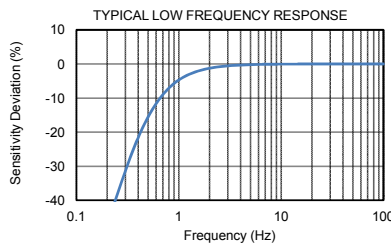
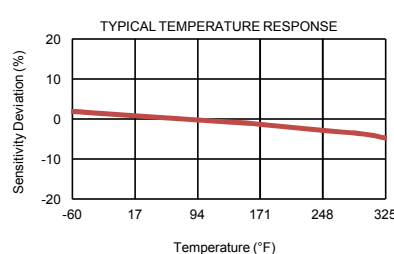
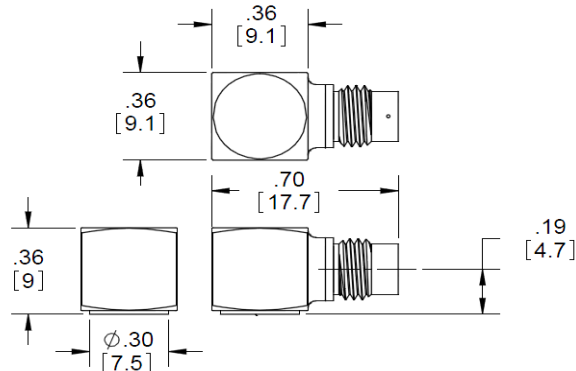
DO NOT SCALE DRAWING

MASTER
ONLY IF IN RED

TITLE: OUTLINE/INSTALLATION
DRAWING, HIGH TEMPERATURE
ACCELEROMETER

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3023AH	C

SCALE: 1:1
SOLIDWORKS
SHEET 1 OF 1

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																									
3023A4H						PS3023A4H																									
		ACCELEROMETER, TRIAXIAL, IEPE					REV F, ECN 14272, 06/18/18																								
		• HIGH TEMPERATURE • HERMETICALLY SEALED • MINIATURE SIZE																													
PHYSICAL		ENGLISH		SI																											
Weight	0.11	oz	3.0	grams																											
Mounting	Adhesive Mount	Adhesive Mount																													
Connector [1]	4-pin	4-pin																													
Material, Housing / Connector	Titanium	Titanium																													
PERFORMANCE																															
Sensitivity, ±10 % [2]	1	mV/g	0.10	mV/m/s^2																											
Range F.S. (each axis)	±5000	g	±49050	m/s^2																											
Frequency Response, +15/-5%	1.5 to 10,000	Hz	1.5 to 10,000	Hz																											
Element Natural Frequency	> 30	kHz	> 30	kHz																											
Broad Band Resolution [7]	0.007	grms	0.07	m/s^2 rms																											
Spectral Noise	1.25Hz	0.03	grms/v(Hz)	0.29	m/s^2 rms/v(Hz)																										
	10Hz	0.01	grms/v(Hz)	0.10	m/s^2 rms/v(Hz)																										
	100Hz	0.002	grms/v(Hz)	0.02	m/s^2 rms/v(Hz)																										
	1000Hz	0.0005	grms/v(Hz)	0.00	m/s^2 rms/v(Hz)																										
	10000Hz	0.0004	grms/v(Hz)	0.00	m/s^2 rms/v(Hz)																										
Linearity [3]	1	%F.S.	1	%F.S.																											
Transverse Sensitivity, Max	6	%	6	%																											
Signal Polarity	[5]	[5]																													
ENVIRONMENTAL																															
Maximum Shock	7000	g pk	68670	m/s^2																											
Maximum Vibration	6000	g pk	58860	m/s^2																											
Temperature Range	-60 to +325	°F	-51 to +162	°C																											
Environmental Seal	Hermetic	Hermetic																													
ELECTRICAL																															
Supply Current Range [4]	2 to 20	mA	2 to 20	mA																											
Compliance Voltage Range	+18 to +30	VDC	+18 to +30	VDC																											
Output Impedance, Typ.	100	Ω	100	Ω																											
Output Bias Voltage	7 to 11	VDC	7 to 11	VDC																											
Discharge Time Constant, Nom.	0.3 -1.0	sec	0.3 -1.0	sec																											
Ground Isolation	Case Ground	Case Ground																													
This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited Calibration Certificate (ISO 17025) Notes: [1] Connector mates with Dytran's cable assy. Model 6967AXX. (xx = length in feet) [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2 [3] Measured using zero-based best straight-line method, percentage of F.S. or any lesser range. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the amplifier. [5] Arrows on housing indicate direction of acceleration for positive output. [6] In the interest of constant product improvement, we reserve the right to change the specification without notice. [7] Typical. Not to exceed .010 Grms [.10 m/s²]. TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE   Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3023A4H for more information.								Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC																		
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