

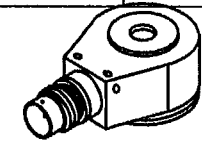
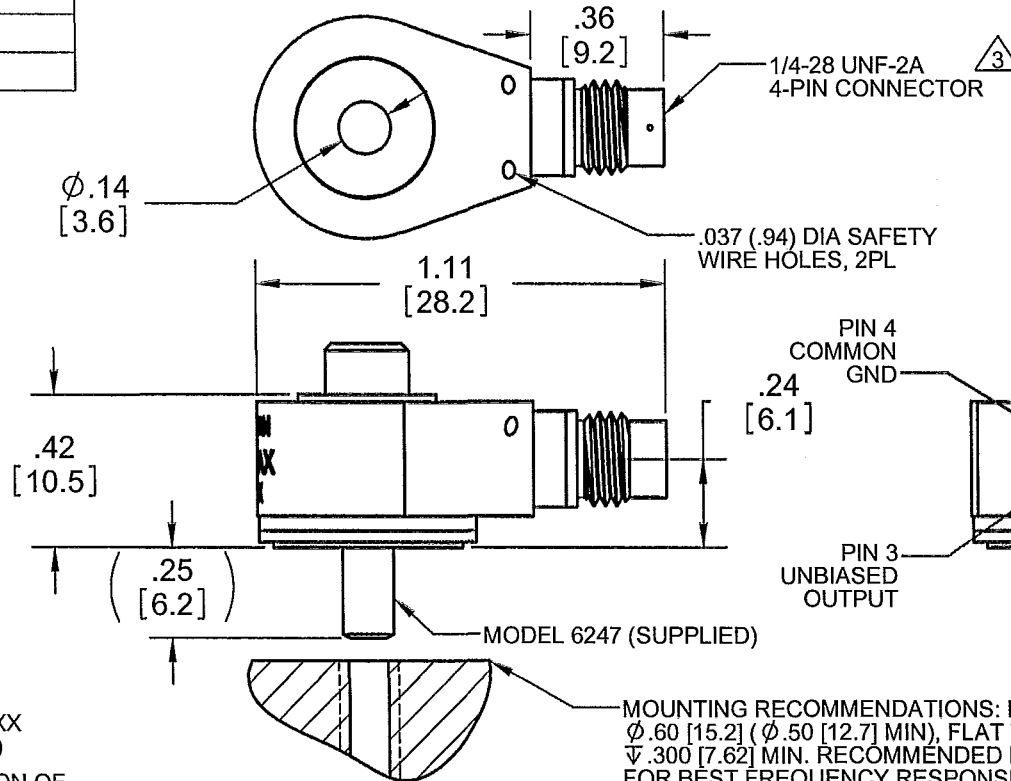
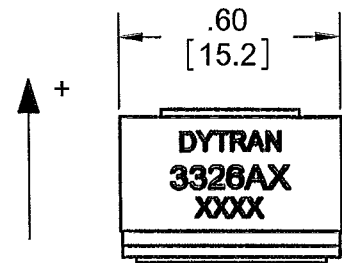
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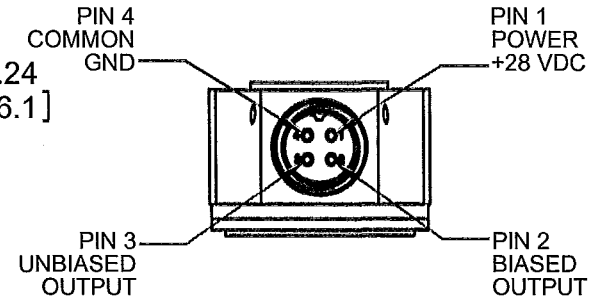
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6644	INITIAL RELEASE	JS 10/20/10	RA	DV
B	8254	.36 [9.2] WAS: .33 [8.4], 1.11 [28.2] WAS: 1.08 [27.5]	JS 01/19/12	<i>RA</i>	<i>AVS</i>

MODEL	SENSITIVITY
3326A1	10mV/g
3326A2	100mV/g



ACTUAL SIZE



4. MATERIAL: TITANIUM

- 3 MATES WITH DYTRAN 6896AXX CABLE (XX- LENGTH IN FEET)
- 2. ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT
- 1. WEIGHT: 10 GRAMS APPROX.

NOTES: UNLESS OTHERWISE SPECIFIED

MOUNTING RECOMMENDATIONS: PREPARE FLAT MOUNTING SURFACE Ø.60 [15.2] (Ø.50 [12.7] MIN), FLAT TO .001TIR. DRILL AND TAP 6-32 UNC-2B √.300 [7.62] MIN. RECOMMENDED MOUNTING TORQUE: 6 LB-IN +3/-0 LB IN. FOR BEST FREQUENCY RESPONSE ACCELEROMETER MUST CONTACT MOUNTING SURFACE OVER ENTIRE MOUNTING SURFACE OF ACCELEROMETER

CONTRACT NO.



TITLE:

**OUTLINE / INSTALLATION
DRAWING MODEL 3326A**

APPROVALS		DATE
ORIG	JS	03/26/10
CHK	RA	10/23/10
APP	DV	10/27/10
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3326A	B
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

USED ON	NEXT ASSY	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.
APPLICATION		
THIRD ANGLE PROJECTION USA		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 ±0.10 .XX ±0.25	MATERIAL FINISH DO NOT SCALE DRAWING
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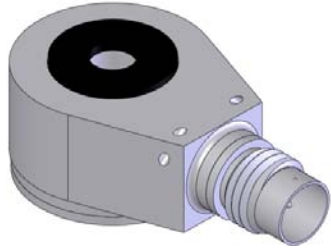
MODEL NUMBER
3326A1

PERFORMANCE SPECIFICATION

DOC NO.
PS3326A1

ACCELEROMETER, VDC POWER

REV B, ECN 8681, 05/31/12



- OPERATES FROM +28VDC
- 360° CABLE ORIENTATION
- AIRBORNE APPLICATIONS

PHYSICAL

Weight, Max
Mounting Provision
Connector, side exit [6]
Material Body

Type
Material

	ENGLISH		SI	
Weight, Max	0.35	oz	10	grams
Mounting Provision	Ø.162 thru hole		Ø.162 thru hole	
Connector, side exit [6]	4 PIN		4 PIN	
Material Body	TITANIUM		TITANIUM	

PERFORMANCE

Sensitivity +/- 10% [1]
Range F.S. For ± 5 Volts Output
Frequency Range, ± 5%
Resonant Frequency
Equivalent Electrical Noise Floor
Linearity [2]
Transverse Sensitivity, Max.
Strain Sensitivity @250µε

Sensitivity +/- 10% [1]	10	mV/g	1.02	mV/ m/s ²
Range F.S. For ± 5 Volts Output	± 500	g pk	± 4905	m/s ²
Frequency Range, ± 5%	4 to 2000	Hz	4 to 2000	Hz
Resonant Frequency	> 31	kHz	> 31	kHz
Equivalent Electrical Noise Floor	0.0004	g rms	0.05	m/s ² rms
Linearity [2]	± 1%	%F.S	± 1%	%F.S
Transverse Sensitivity, Max.	5%		5%	
Strain Sensitivity @250µε	0.011	g/µε	0.11	m/s ² µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal
Coefficient Of Thermal Sensitivity
Magnetic Sensitivity @ 100 Gauss (0,01 Tesla)

Maximum Vibration	500	±gpk	4905	± m/s ² pk
Maximum Shock	4000	±gpk	39240	± m/s ² pk
Temperature Range	-60 to +225	°F	-51 to 107	°C
Seal	Hermetic		Hermetic	
Coefficient Of Thermal Sensitivity	0.033	%/°F	0.059	%/°C
Magnetic Sensitivity @ 100 Gauss (0,01 Tesla)	0.000012	g/Gauss	1.18	m/s ² /T

ELECTRICAL

Supply Current [3]
Compliance Voltage Range
Output Impedance TYP
Bias Voltage
Discharge Time Constant
Output Signal Polarity [4]
Electrical Isolation [5]

Supply Current [3]	<6	mA	<6	mA
Compliance Voltage Range	+20 to +32	V	+20 to +32	V
Output Impedance TYP	100	Ω	100	Ω
Bias Voltage	+11 to +13	VDC	+11 to +13	VDC
Discharge Time Constant	0.1 to 1.0	sec	0.1 to 1.0	sec
Output Signal Polarity [4]	positive		positive	
Electrical Isolation [5]	10	GΩ	10	GΩ

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC
3326A2	100	50	0.0001	-60 to +225	0.1 to 1.0

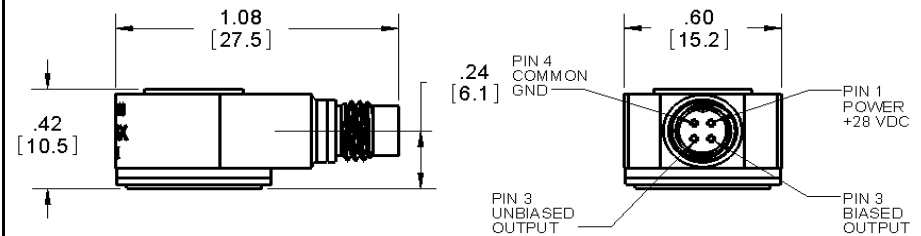
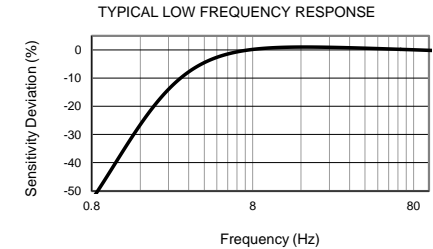
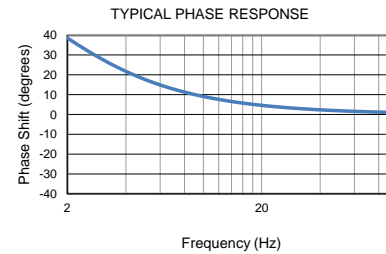
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6247 mounting screw (6-32)

Notes:

- [1] Measured at 100 Hz, 1 grams per ISA RP 37.2.
- [2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.
- [3] The sensor is operating from regular VDC power supply and has a current limiting circuit built-in
- [4] For acceleration into base
- [5] Electrical ground isolated from sensor mounting surface.
- [6] Mates with Dytran 6896AXX cable (XX- length of cable in feet)
- [7] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3326A for more information.



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