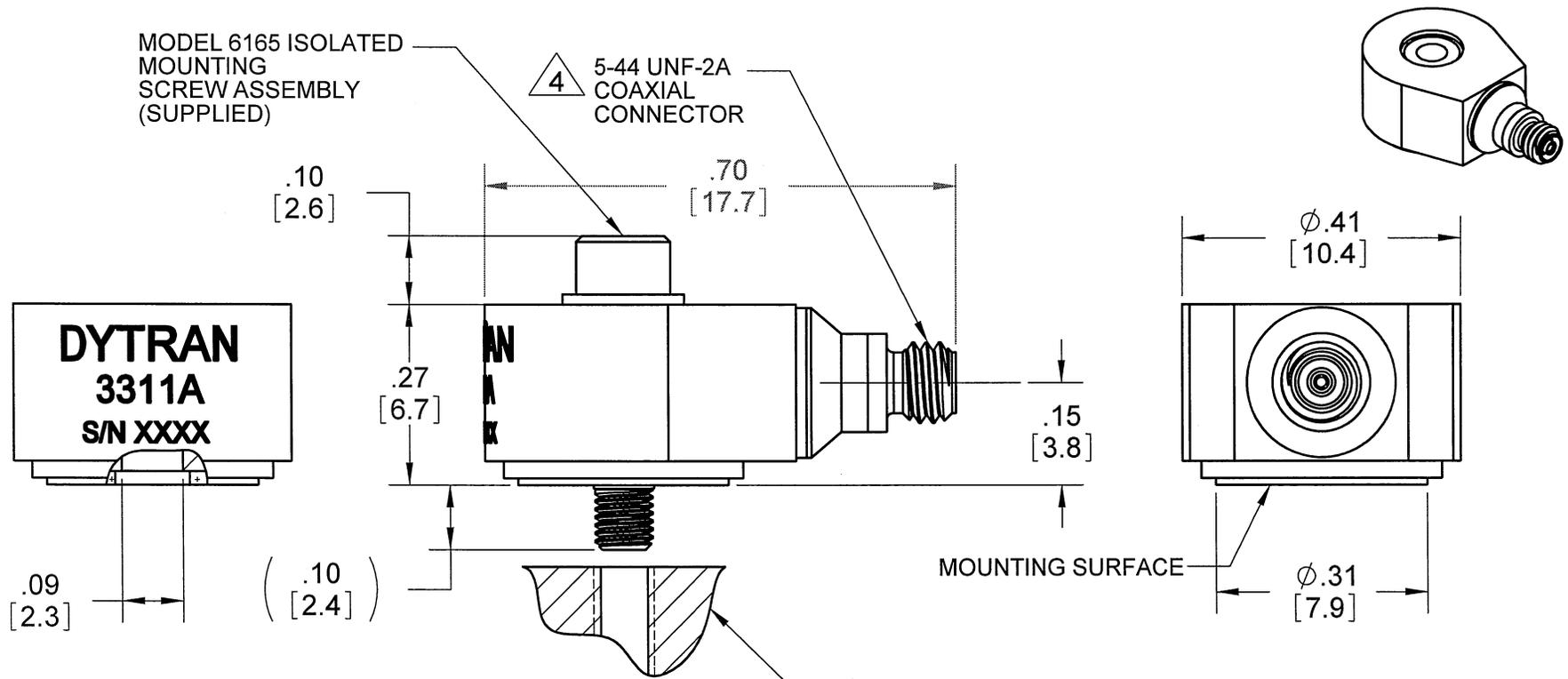


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6841	INITIAL RELEASE	JS 06/22/10	PA	ANUS



- 4 MATES WITH DYTRAN 6040AXX CABLE
- 3. HOUSING/CONNECTOR MATERIAL: TITANIUM
- 2. WEIGHT: 3.3 GRAMS APPROX.
- 1. SENSITIVITY: 50mV/g

MOUNTING RECOMMENDATIONS: PREPARE SURFACE AT LEAST $\phi .32$, FLAT TO $.0001$ TIR. TAP 2-56 UNF-2B $\nabla .12$ MIN. MOUNTING TORQUE 4-6 LB-IN. FOR BEST FREQUENCY RESPONSE USE SILICON GREASE

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.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± .08 ± 1° .XXX ± .010 .XX ± .025
USED ON	NEXT ASSY
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.	

CONTRACT NO.	
APPROVALS	DATE
ORIG JS	06/22/10
CHK PA	06/22/10
APP ANUS	7/9/10
APP	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

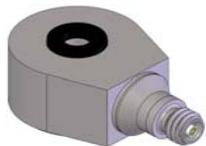
MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3311A**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3311A	A

SCALE: NONE SOLIDWORKS SHEET 1 OF 1

Model Number 3311A	PERFORMANCE SPECIFICATION	DOC NO PS3311A
MINIATURE IEPE ACCELEROMETER		REV B , ECN 8290 , 02/10/12



- MINIATURE SIZE
- EXCELLENT TEMPERATURE STABILITY
- HERMETICALLY SEALED

PHYSICAL

Weight
Size
Connector
Mounting Provision
Material
Sensing Material

Height
Side Mounted
Thru Hole
Accelerometer and Connector

ENGLISH		SI	
0.12	oz	3.3	grams
0.27	Inches	6.7	mm
5-44 UNF-2A		5-44 UNF-2A	
Ø0.09		Ø 2.3	mm
Titanium		Titanium	
LiNbO ₃		LiNbO ₃	

PERFORMANCE

Sensitivity, ±10% [1]
Range F.S for ± 5 Volts Output
Frequency Response, ±10%
Resonant Frequency
Equivalent Electrical Noise Floor Max
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250µε

50	mV/g	5	mV/m/s ²
±100	g	±981	m/s ²
2 to 10000	Hz	2 to 10000	Hz
>30	kHz	>30	kHz
0.003	Grms	0.03	m/s ² rms
± 1%	% F.S.	± 1%	% F.S.
5	%	5	%
0.011	g/µε	0.11	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal, Hermetic

±1000	Gpeak	±9810	m/s ² peak
±3000	Gpeak	±29430	m/s ² peak
-60 to +320	°F	-51 to 160	°C
Welded/Glass To Metal		Welded/Glass To Metal	

ELECTRICAL

Supply Current Range [3]
Compliance Voltage Range
Output Impedence, Typ
Bias Voltage
Discharge Time Constant

2 to 20	mA	2 to 20	mA
+ 18 to +30	Volts	+ 18 to +30	Volts
100	Ω	100	Ω
7 to 11	VDC	7 to 11	VDC
0.8 to 2	Sec	0.8 to 2	Sec

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

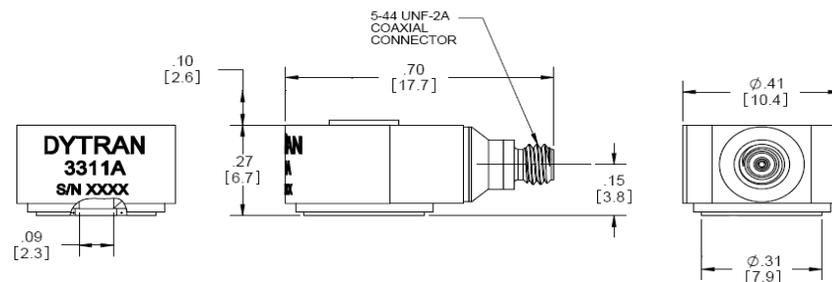
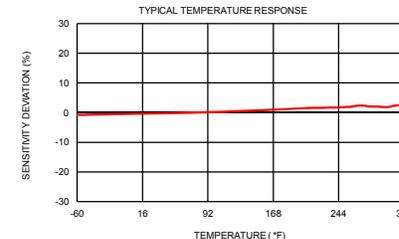
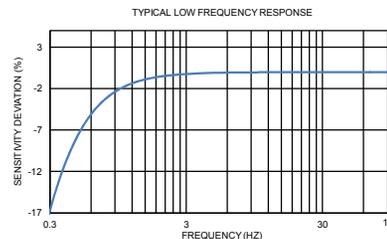
Please refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Isolated mounting assembly, 6165

Notes:

- [1] Measure at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [5] 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 127-3311A for more information.



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