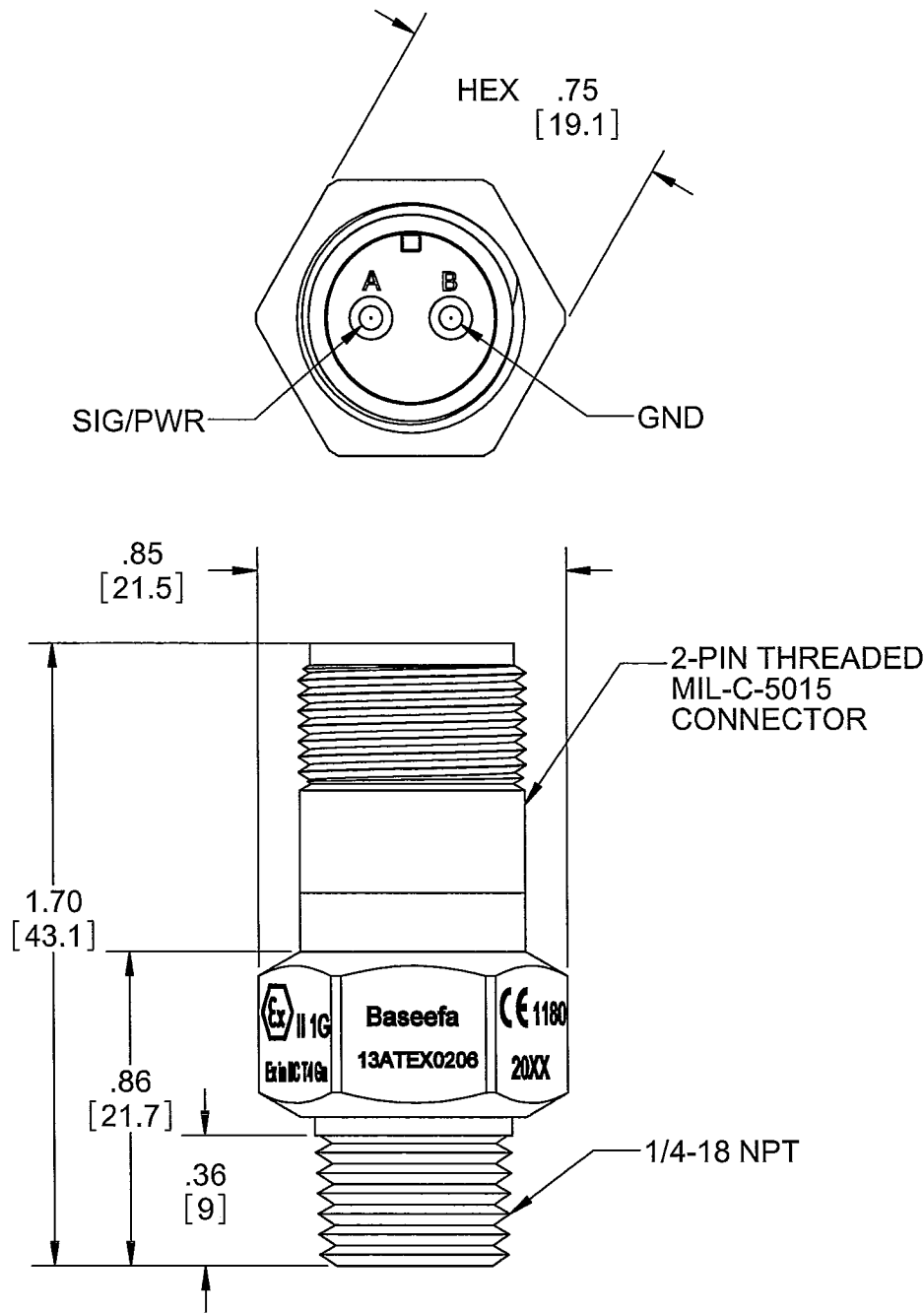


PROPRIETARY AND CONFIDENTIAL

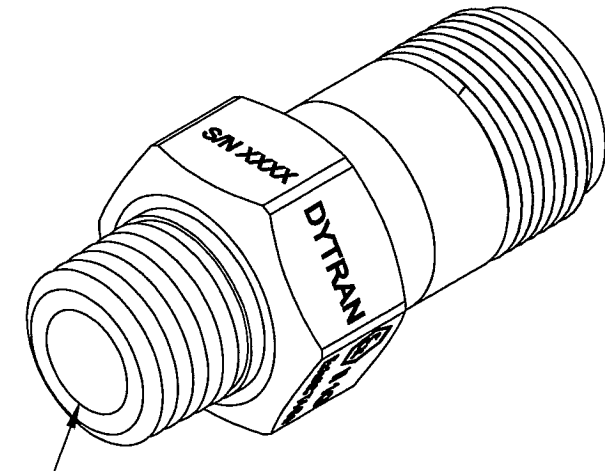
REVISIONS

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REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5698	INITIAL RELEASE	01/26/09	ANS	DV
B	5351	UPDATED FORMAT	RA, 07/28/10	EP	DV
C	10439	ADDED SCHEMATIC, NOTES 3 & 4, CONFIGURATION CONTROL STAMP, AND ATEX MARKING	AB 10/02/13		

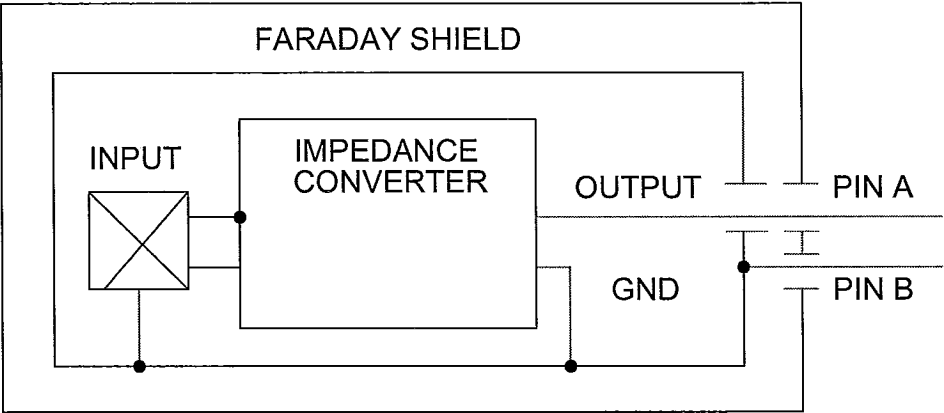


SENSING
DIAPHRAGM
Ø.31
[Ø 7.9]



HOUSING

MODEL	SENSITIVITY
2006V1	10mV/PSI
2006V2	50mV/PSI
2006V3	100mV/PSI



SCHEMATIC DIAGRAM

NO CHANGES ALLOWED
WITHOUT CONSENT OF
CONFIGURATION CONTROL BOARD
DYTRAN INSTRUMENTS, INC.

ENG *EP* QA *MS*

4. TOTAL SENSOR CAPACITANCE, Ci (PIEZO ELEMENT PLUS CIRCUIT CAPACITORS): 18 pF MAXIMUM. SENSOR CONTAINS NO INDUCTIVE COMPONENTS.
3. IMPEDANCE CONVERTER HAS NO VOLTAGE ENHANCING/GENERATING PARTS.
2. MATERIAL: HOUSING/DIAPHRAGM - 316L
CONNECTOR - 304L
1. CASE TO GROUND PIN ISOLATION >100MΩ

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.
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.
TOLERANCES ARE:

DECIMALS	ANGLES
.XX ±.01	±1°
.XXX ±.005	

APPROVALS		DATE
ORIG	DV	04/28/08
CHK	ANS	01/27/09
APP	DV	01/27/09

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA


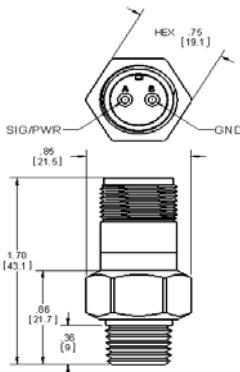
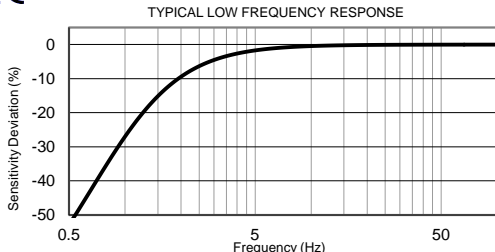
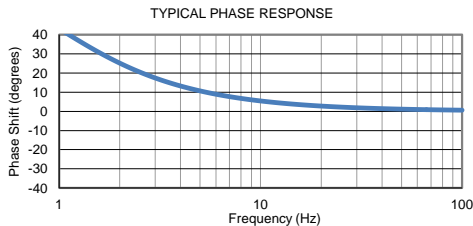

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION
DRAWING, 2006V**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-2006V	C

SCALE: 2:1 SOLIDWORKS SHEET 1 OF 1

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.	
2006V2						PS2006V2	
		DYNAMIC PRESSURE SENSOR, IEPE				REV F, ECN 13202, 12/22/16	
		<ul style="list-style-type: none">• HIGH SENSITIVITY• ACCELERATION COMPENSATION• ELECTRICALLY ISOLATED HOUSING					
PHYSICAL		ENGLISH		SI			
Weight, Max		2.3	oz	65	grams		
Mounting Provision		1/4-18 MNPT		1/4-18 MNPT			
Connector	Type	MIL-C-5012, 2 PIN		MIL-C-5012, 2 PIN			
Diaphragm Material	Material	316L		316L			
PERFORMANCE							
Sensitivity +/- 10%		50	mV/psi	7.2 X 10 ³	mV/Pa		
Range F.S for +/- 5 volts peak out		+/-100	psi	689476	Pa		
Maximum Pressure		8000	psi	5.5 X 10 ⁵	Pa		
Equivalent Electrical Noise (Resolution)		0.0014	psi	9.65	Pa		
Mounted Resonant Frequency		>50000	Hz	>50000	Hz		
Frequency Response, +/- 10%		2 to 5000	Hz	2 to 5000	Hz		
Minimum Rise Time of Input Pulse		2	µsec	2	µsec		
Discharge Time Constant		0.17 to 0.5	sec	0.17 to 0.5	sec		
Linearity [1]		+/-1	Hz	+/-1	%F.S		
Lower -3db Frequency		1	Hz	1	Hz		
Acceleration Sensitivity, Axial Direction		0.002	psi/g	0.014	Kpa/g		
ENVIRONMENTAL							
Maximum Vibration		3000	g rms	3000	g rms		
Maximum Shock		10000	g pk	10000	g pk		
Temperature Range		-40 to +250	°F	-40 to +121	°C		
Thermal Coefficient Of Sensitivity		0.03	% / °F	0.02	% / °C		
Environmental Seal		Hermetic		Hermetic			
Power/Sig Ground Isolation, Min		100	MΩ	100	MΩ		
ELECTRICAL							
Excitation Voltage Range		18 to 30	VDC	18 to 30	VDC		
Excitation Current Range [2]		2 to 20	mA	2 to 20	mA		
Output Impedance NOM		100	Ω	100	Ω		
Output Bias Voltage, NOM.		7.5 to 9.5	VDC	7.5 to 9.5	VDC		
Output Signal Polarity		Positive		Positive			
							
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-2006V for more information.					
		 21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com					