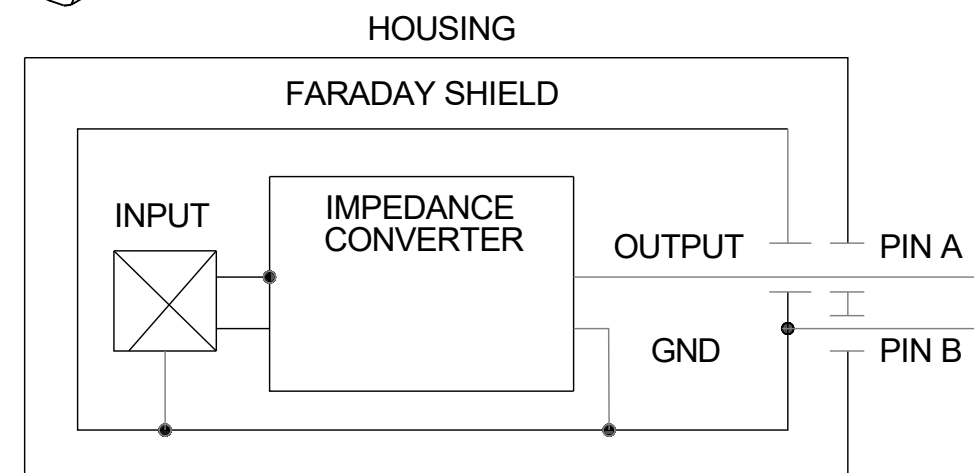
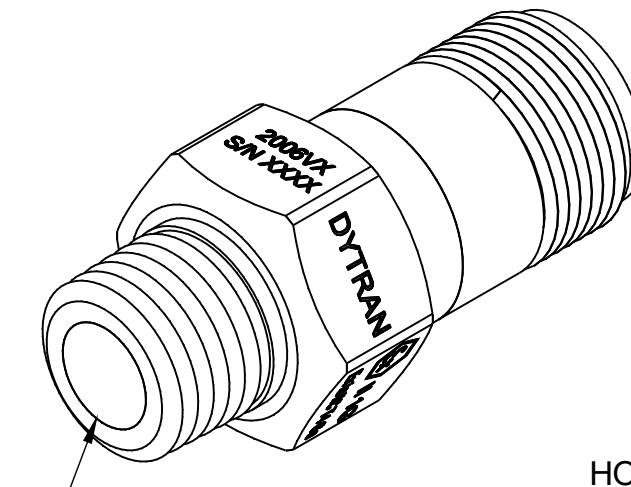
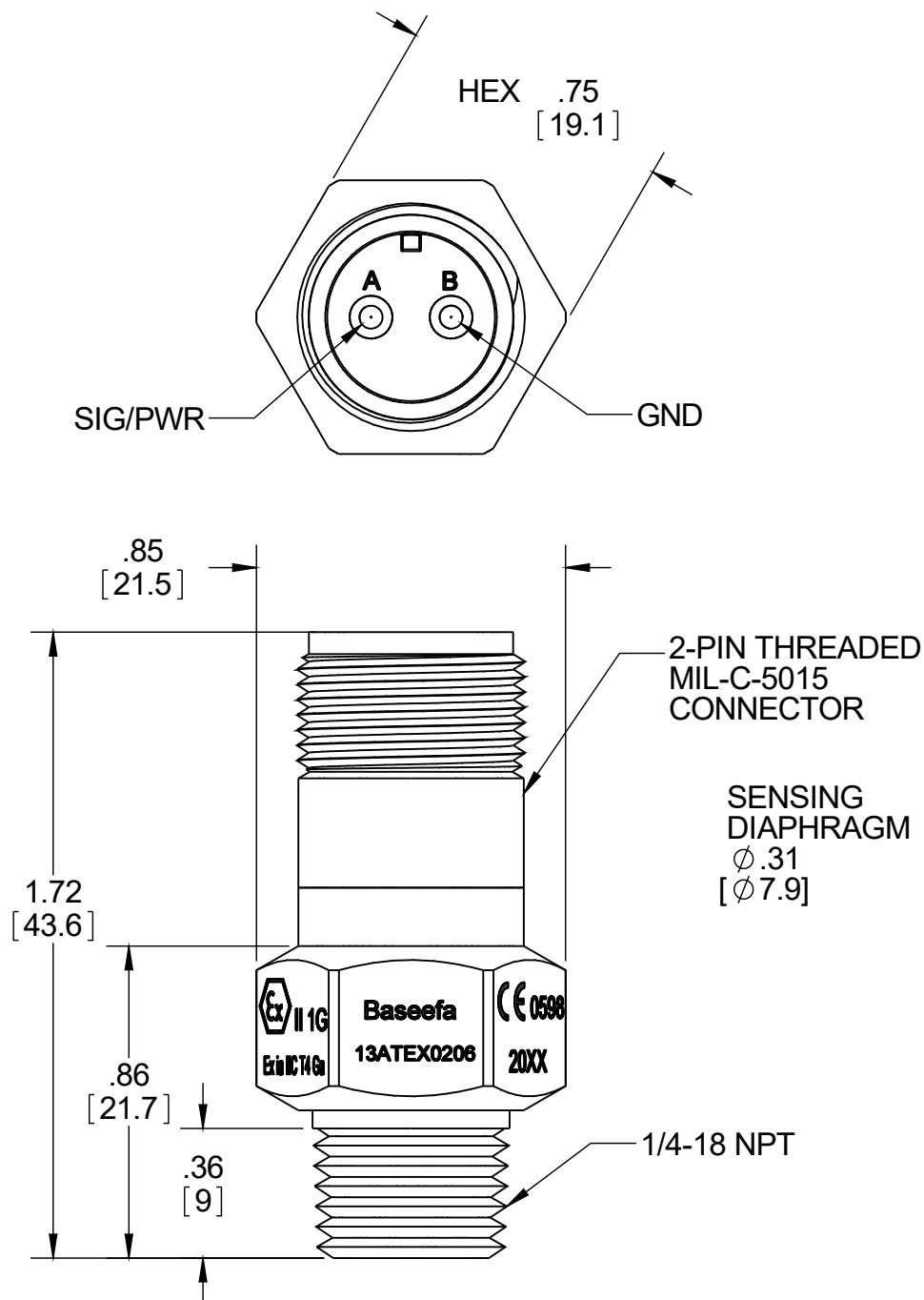


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
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	DV	EP
D	15748	REVISED MARKING	RA, 05/13/20	DP	EP
E	16690	UPDATED MARKING: IS: 0598, WAS: 1180	AS 04/18/22	JB	AM



SCHEMATIC DIAGRAM

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

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

CM AM QA JN

4. TOTAL SENSOR CAPACITANCE, C_i (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 >100M Ω

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

63/
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.
TOI FRANCES ARE:

DECIMALS
.XX $\pm .01$
.XXX $\pm .005$

ANGLES
 $\pm 1^\circ$

APPROVALS

DATE _____

ORIG	DV
------	----

04/28/08

G.	CHK	ANS
----	-----	-----

01/27/09

APP	DV
-----	----

01/27/09

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

THIRD ANGLE PROJECT

DO NOT SCALE DRAWING



Chatsworth, CA

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

SIZE	B
------	---

CAGE CODE
2W033

DWG NO

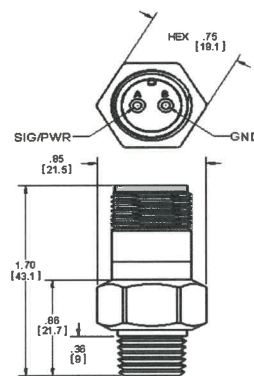
127-2006V

REV
E

SCALE: 2:1

SOLIDWORKS

SHEET 1 OF 1

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																			
2006V3						PS2006V3																			
		DYNAMIC PRESSURE SENSOR, IEPE				REV G, ECN 15538, 01/16/2020																			
		• HIGH SENSITIVITY • ACCELERATION COMPENSATION • ELECTRICALLY ISOLATED HOUSING				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/psi)</th><th>Range (psi pk)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC (Sec)</th></tr><tr><td>2006V1</td><td>10</td><td>500</td><td>0.007</td><td>-40 to +250</td><td>0.17 to 2.0</td></tr><tr><td>2006V2</td><td>50</td><td>100</td><td>0.0014</td><td>-40 to +250</td><td>0.17 to 2.0</td></tr></table>		Model	Sensitivity (mV/psi)	Range (psi pk)	Resolution (Grms)	Oper. Temp(°F)	TC (Sec)	2006V1	10	500	0.007	-40 to +250	0.17 to 2.0	2006V2	50	100	0.0014	-40 to +250	0.17 to 2.0
Model	Sensitivity (mV/psi)	Range (psi pk)	Resolution (Grms)	Oper. Temp(°F)	TC (Sec)																				
2006V1	10	500	0.007	-40 to +250	0.17 to 2.0																				
2006V2	50	100	0.0014	-40 to +250	0.17 to 2.0																				
Please, refer to the performance specifications of the products in this family for detailed description.																									
PHYSICAL																									
Weight, Max	2.3 oz	65 grams																							
Mounting Provision	1/4-18 MNPT	1/4-18 MNPT																							
Connector	MIL-C-5015, 2 PIN	MIL-C-5015, 2 PIN																							
Diaphragm Material	316L	316L																							
PERFORMANCE																									
Sensitivity +/- 10%	100 mV/psi	1.45E-02 mV/Pa																							
Range F.S for +/- 5 volts peak out	+/-50 psi	344738 Pa																							
Maximum Pressure	8000 psi	5.5 X 10 ⁵ Pa																							
Equivalent Electrical Noise (Resolution)	0.0007 psi	4.82 Pa																							
Mounted Resonant Frequency	>50000 Hz	>50000 Hz																							
Frequency Response, +/- 10%	2 to 5000 Hz	2 to 5000 Hz																							
Minimum Rise Time or Input Pulse	2 µsec	2 µsec																							
Discharge Time Constant	0.17 to 2.0 sec	0.17 to 2.0 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				NO CHANGES ALLOWED WITHOUT CONSENT OF CONFIGURATION CONTROL BOARD DYTRAN INSTRUMENTS, INC. CM  QA 