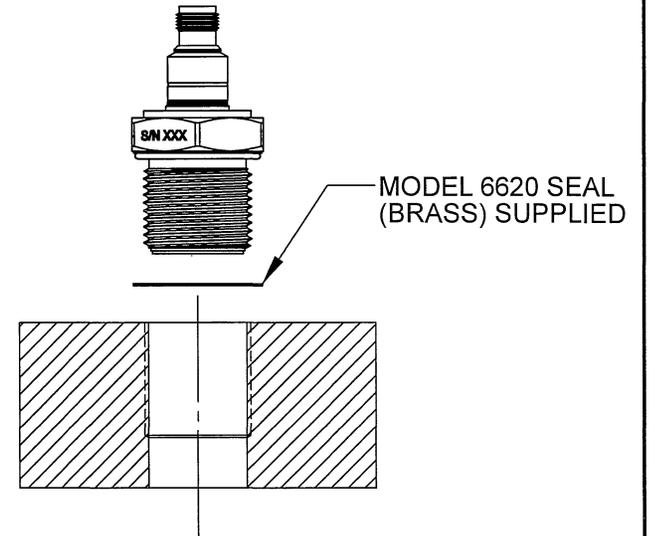
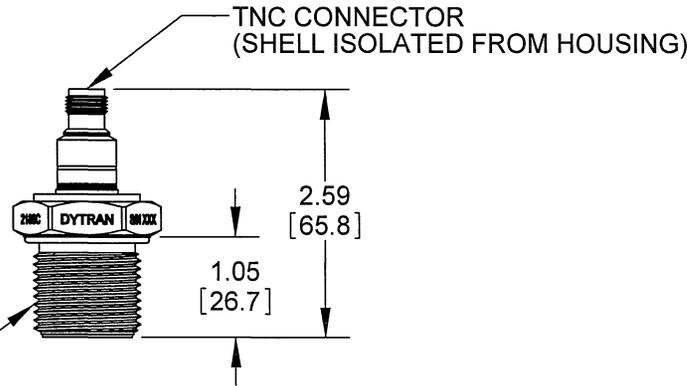
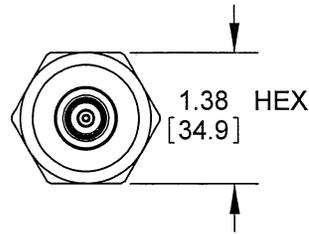


PROPRIETARY AND CONFIDENTIAL		REVISIONS					
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		C	7110	REDRAWN AND REFORMATTED	RLA, 10/15/10	ep	DV



PORT PREPARATION DRILL OR BORE
 1 3/64 (Ø1.046 [Ø26.6]) X 1.30 [33] ∇
 TAP 1 1/8-12 X 1.10 [28] ∇

3. TORQUE IN PLACE WITH 60 LB-INCHES OF TORQUE.
2. PRESSURE ELEMENT IS INTERNALLY CASE ISOLATED, ENCLOSED BY A FARAFDAY SHIELD AND ACCELERATION COMPENSATED.
1. MATERIAL: HOUSING AND DIAPHRAGM-316L STAINLESS STEEL.

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.		MASTER ONLY IF IN RED Chatsworth, CA	
2180C		MATERIAL		APPROVALS			
USED ON	NEXT ASSY	FINISH		ORIG	NC	4/10/02	
APPLICATION		DO NOT SCALE DRAWING		CHK	RA	4/10/02	
THIRD ANGLE PROJECTION USA				APP	NC	4/10/02	
				APP			
				SIZE	CAGE CODE	DWG. NO.	REV
				A	2W033	127-2180C	C
				SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER 2180C	PERFORMANCE SPECIFICATION	DOC NO. PS2180C
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	ACOUSTIC PRESSURE SENSOR	REV A , ECN 12696 , 05/23/16
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- HIGH INTENSITY ACOUSTIC SENSOR
- ACCELERATION COMPENSATED
- INTERNALLY GROUND ISOLATED
- HERMETICALLY SEALED

PHYSICAL

Weight, Max
Mounting Provision
Connector
Body/Diaphragm
Connector

	ENGLISH		SI	
Weight, Max	6.1	oz	175	grams
Mounting Provision	1 1/8-12		1 1/8-12	
Connector	TNC	Type	TNC	
Body/Diaphragm	316L STAINLESS STEEL	Material	316L STAINLESS STEEL	
Connector	304L STAINLESS STEEL	Material	304L STAINLESS STEEL	

PERFORMANCE

Sensitivity +/- 20% [1] [2]
Range F.S for 5 volts peak out
Absolute Maximum Pressure [4]
Mounted Resonant Frequency
Linearity [3]

600	pC/psi	0.087	pC/Pa
10 (191 db)	psi	68947	Pa
600 (226 db)	psi	4136820	Pa
> 21	Hz	> 21	Hz
+/-1	%F.S	+/-1	%F.S

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Thermal Coefficient Of Sensitivity
Environmental Seal

100	g rms	981	m/s ² rms
2000	g pk	19620	m/s ² peak
-60 to +500	°F	-51 to +260	°C
0.06	% / °F	0.11	% / °C
Hermetic		Hermetic	

ELECTRICAL

Capacitance
Output Signal Polarity For Increasing Pressure

1200	pF	1200	pF
Negative		Negative	

This family also includes:

Model	Sensitivity (mV/psi)	Range (psi pk)	Resolution (Grms)	Oper. Temp(°F)	TC (Sec)

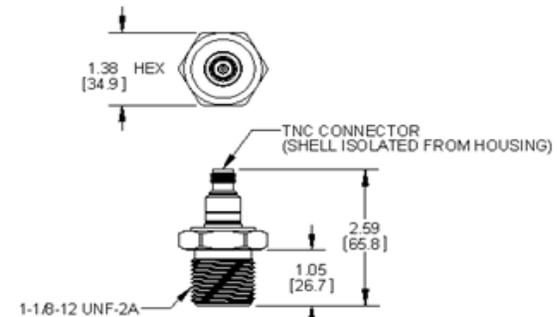
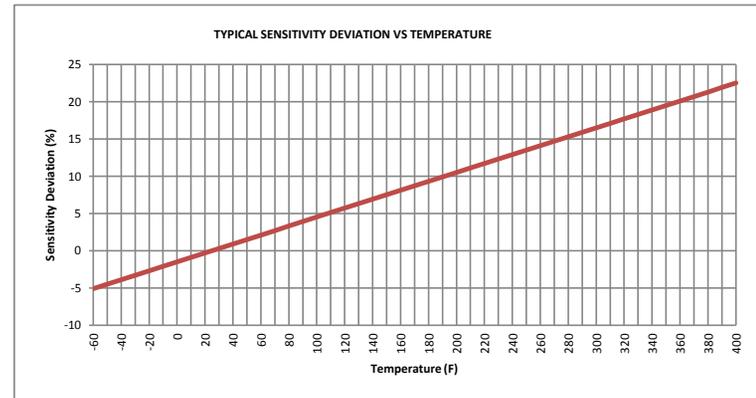
Please, refer to the performance specifications of the products in this family for detailed description.

NOTES:

- [1] 0db Reference: 0.0002 Dynes/cm²
- [2] A calibration certificate traceable to NIST is supplied with each instrument.
- [3] Percent full scale, zero based fit straight line method.
- [4] Full pressure must be applied gradually. Do not exceed 100psi/ sec.

SUPPLIED ASSESSORIES:

- (1) Model 6620 Brass Seal



Dimensions in brackets are in millimeters. Refer to 127-2180C for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880