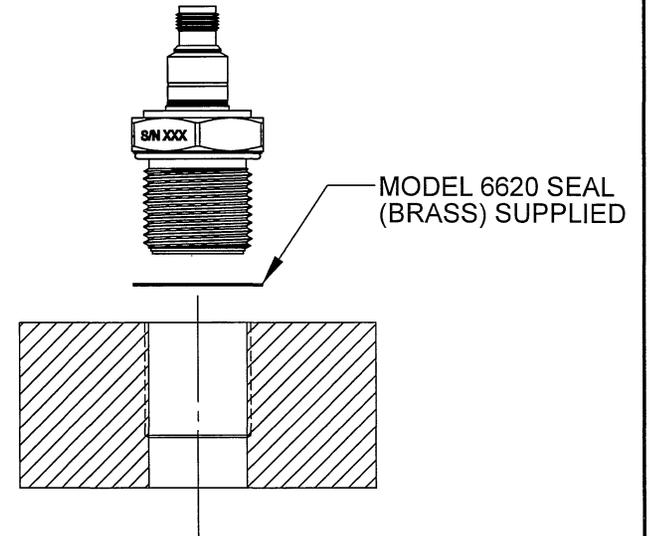
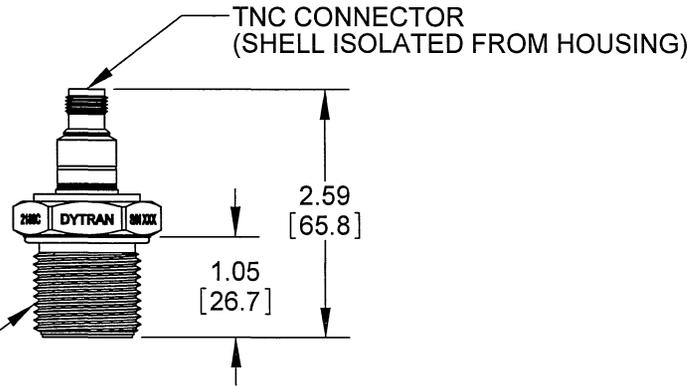
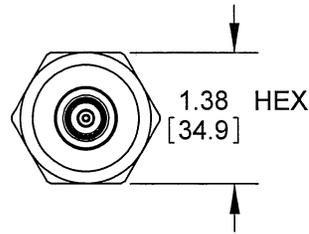


<b>PROPRIETARY AND CONFIDENTIAL</b>		<b>REVISIONS</b>					
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		C	7110	REDRAWN AND REFORMATTED	RLA, 10/15/10	ep	DV



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.		<b>MASTER ONLY IF IN RED</b> 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
				<b>A</b>	<b>2W033</b>	<b>127-2180C</b>	<b>C</b>
				SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

## SPECIFICATIONS, MODEL 2180C HIGH INTENSITY MICROPHONE

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	155	grams
SIZE (BODY HEX x HEIGHT)	1-3/8 x 2.56	inches
MOUNTING PROVISION	1-1/8-12 thread	
CONNECTOR, COAXIAL, AXIALLY MOUNTED	TNC	
BODY/CONNECTOR MATERIAL	316L stainless steel	
DIAPHRAGM MATERIAL	316L stainless steel	
<b>PERFORMANCE</b>		
SENSITIVITY, ± 20% [1] [3]	600	pC/psi
RANGE F.S.	10 (191 db)	psi (db)
ABSOLUTE MAXIMUM PRESSURE	600 (226)	psi (db)
MOUNTED RESONANT FREQUENCY, NOM.	21	kHz
NON-LINEARITY (ZERO BASED BEST FIT ST. LINE METHOD)	[2]1.0	% F.S., MAX.
ACCELERATION SENSITIVITY, AXIAL DIRECTION	.02	psi/g
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	± 100	g, RMS
MAXIMUM SHOCK	2000	g, PEAK
TEMPERATURE RANGE	-60 TO +500	°F
THERMAL COEFFICIENT OF SENSITIVITY	0.06	%/°F
SEAL	HERMETIC	welded glass to metal
<b>ELECTRICAL</b>		
OUTPUT SIGNAL POLARITY FOR INCREASING PRESSURE	negative	
CAPACITANCE, NOM.	1200	pF

### SUPPLIED ACCESSORIES:

(1) MODEL 6620 BRASS SEAL

### NOTES:

[1] 0 db REFERENCE: .0002 DYNES PER CM<sup>2</sup>

[2] PERCENT FULL SCALE, ZERO-BASED BEST FIT STRAIGHT LINE METHOD.

[3] A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.