



PORT PREPARATION:
 PREPARE FLAT SURFACE (FLAT TO .001 TIR)
 OVER Ø .500 AREA.
 AT CENTER DRILL #21(Ø .159) X .25 DEEP MIN
 BOTTOM TAP #10-32 UNF-2B X .150 DEEP MIN

- 3. MATERIAL FOR HOUSING & CONNECTOR - 316L STAINLESS STEEL.
- 2. MOUNTING TORQUE - 15 LB.-IN.
- 1. WEIGHT - 6.8 GRAMS

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .005	.XX = ± .01
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS ⊙ TO	T.I.R.
FILLETS -	MAX RAD.

DYTRAN INSTRUMENTS, INC.		CHATSWORTH, CA.	
SCALE	4X	REV	A
DATE	11/16/98	DATE	8-26-03
DRAWN	N.C.	CHECKED	R.A.
APPROVED		NEXT ASSEMBLY	
TITLE		USED ON	
OUTLINE/INSTALLATION DRAWING, MODEL 3030C1		MODEL 3030C1	
		DWG NO.	
		127-3030C1	
		SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3030C1 MINIATURE HIGH TEMPERATURE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE F.S.	± 500	G
SENSITIVITY, @ 100 Hz 1G RMS, NOM.	0.40	pC/G
FREQUENCY RESPONSE, ±5%	5 to 5,000	Hz
RESONANT FREQUENCY	30	kHz
LINEARITY [1]	± 1	% FS
TRANSVERSE SENSITIVITY, MAX	5	%
TEMPERATURE RANGE	-100 to +500	DEG F
THERMAL COEFFICIENT OF SENSITIVITY	0.01	%/DEG F
CAPACITANCE	126	pF
MAX VIBRATION	1000	G,RMS
MAX SHOCK	3000	G, PEAK
SIZE, HEX X HEIGHT (NOT INCL STUD)	0.375 X 0.67	IN
WEIGHT	6.8	GRAMS
CONNECTOR, TOP MOUNTED	10-32	MICRO COAX
CASE MATERIAL	316L	STAINLESS STEEL
SEAL	WELDED/GLASS TO METAL	HERMETIC
MOUNTING PROVISION	10-32 (UNC-2A)	INTEGRAL STUD

NOTES:

[1] OVER ANY CALIBRATED LESSER RANGE WITHIN FULL SCALE RANGE, BEST FIT STRAIGHT LINE METHOD.