



- 3. MATERIAL: 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 = ± .XX = ± .01

SURFACE FINISH EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR RADIUS OR CHAMFER

THESE DIAS Ⓞ TO T.I.R.

FILLETS - MAX RAD.

		CHATSWORTH, CA.			
		SCALE 4X	REV A	DATE 6/23/98	ECN -
DATE 12/7/95		PART NO. -			
DRAWN N.C.		CHECKED N.C.		MAT'L -	
APPROVED		NEXT ASSEMBLY -		USED ON SERIES 3030B	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL SERIES 3030B				127-3030B	
				SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3030B4/B5 MINIATURE, LIVM ACCELEROMETERS

SPECIFICATION	VALUE	UNITS
RANGE F.S. (FOR +/- 5V OUT)	+/- 500	G
SENSITIVITY, @ 100 Hz 1G RMS	10.0 +/- 5%	mV/G
FREQUENCY RESPONSE, 3030B4 , +/- 5%	2 to 10,000	Hz
FREQUENCY RESPONSE, 3030B5 , +/-5%	5 to 10,000	Hz
RESONANT FREQUENCY	30	kHz
DISCHARGE TIME CONSTANT, 3030B4 , MIN	0.5	SEC
DISCHARGE TIME CONSTANT, 3030B5 , MIN	0.1	SEC
EQUIV. ELECTRICAL NOISE FLOOR	.007	G,RMS
LINEARITY [1]	+/- 1	% FS
OUTPUT BIAS VOLTAGE, NOM	10	VDC
OUTPUT IMPEDANCE, NOM	100	OHMS
TRANSVERSE SENSITIVITY, MAX	5	%
TEMPERATURE RANGE	-60 to +250	DEG F
THERMAL COEFFICIENT OF SENSITIVITY	0.03	%/DEG F
MAX VIBRATION	1000	G,RMS
MAX SHOCK	3000	G,PEAK
SIZE, HEX X HEIGHT (NOT INCL STUD)	0.375 X 0.65	IN
WEIGHT	6.8	GRAMS
CONNECTOR, TOP MOUNTED	10-32	MICRO COAX
CASE MATERIAL	303	STAINLESS STEEL
SEAL	WELDED/GLASS TO METAL	HERMETIC
SUPPLY CURRENT (FROM CONSTANT CURRENT SOURCE)	2 to 20	mA
COMPLIANCE VOLTAGE	+18 to +30	VDC
MOUNTING PROVISION	10-32 (UNF-2A)	INTEGRAL STUD

NOTES:

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