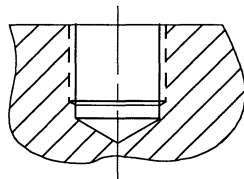
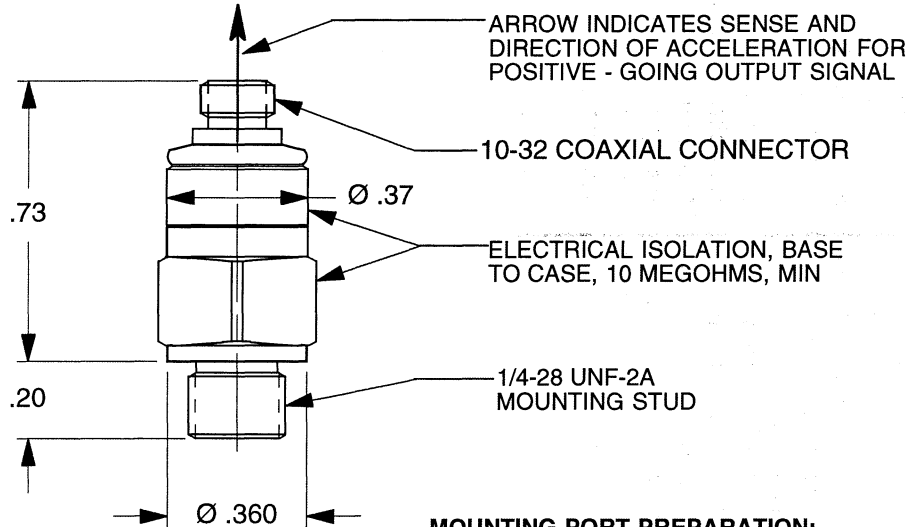
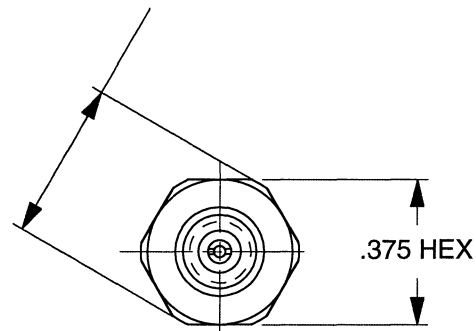


Ø .409 HEX CORNERS



MOUNTING PORT PREPARATION:
 PREPARE FLAT SURFACE OF AT LEAST
 .360 DIA. WITH A FINISH OF $\sqrt{}$ OR
 BETTER AND FLAT TO .001 TIR.
 AT CENTER OF FLAT AREA:
 DRILL Ø.213 X .35 DEEP MIN
 TAP 1/4-28 UNF-2B X .25 MIN DEPTH
 HOLE TO BE PERPENDICULAR WITHIN $\pm 1^\circ$

3. MATERIAL: 300 SERIES STAINLESS STEEL.
2. WEIGHT: 8 GRAMS.
1. RECOMMENDED MOUNTING TORQUE ON 3/8 IN.
 HEX: 20 TO 25 LB.-INCHES.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES	
TOLERANCE: .XXX = \pm	.XX = \pm
SURFACE FINISH	$\sqrt{}$
EXCEPT AS NOTED	
BREAK EDGES TO DEBURR	
RADIUS OR CHAMFER	
THESE DIAS \odot TO	T.I.R.
FILLETS -	MAX RAD.

		CHATSORTH, CA.					
		SCALE	2X	REV	-	DATE	-
DATE	6/2/98	PART NO.	MODEL 3019A				
DRAWN	N.C.	CHECKED	R.A.	MAT'L			
APPROVED			T-27-98	NEXT ASSEMBLY		USED ON	3019A
TITLE						DWG NO.	
OUTLINE/INSTALLATION DRAWING, HIGH FREQUENCY ACCELEROMETER MODEL 3019A						127-3019A	
						SHEET 1 OF 1	



SPECIFICATIONS
MODELS 3019A & 3019A1 LIVM ACCELEROMETERS

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	8.0	Grams
SIZE, HEX x HEIGHT	.375 x 0.73	Inches
MOUNTING PROVISION, 3019A	INTEGRAL STUD	1/4-28 X .20 long
, 3019A1	INTEGRAL STUD	10-32 X .20 long
CONNECTOR, TOP MOUNTED	10-32	Coaxial
MATERIAL, BODY & CONNECTOR	300 Series	Stainless Steel
 PERFORMANCE		
SENSITIVITY, ± 5% [1]	10.0	mV/g
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 500	g's
FREQUENCY RANGE, ± 5%	1.0 to 10,000	Hz
± 3 db	.3 to 15,000	Hz
RESONANT FREQUENCY	>50	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	g's RMS
LINEARITY [2]	± 2%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.012	Ggs/μσ @ 250 μσ
 ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	1000/3000	± g's/g's PEAK
TEMPERATURE RANGE	-60 to +300	°F
SEAL, HERMETIC	Glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
 ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+7.5 to +9.5	VDC
DISCHARGE TIME CONSTANT	0.5 to 1.2	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 GΩ, min.

[1] Measured at 100 Hz, 1 G RMS per ISA RP 37.2.

[2] Measured using zero-based best straight line method, % of F.S. or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.