



10-32 UNF-2B  
THREAD X .200  
DEEP

10-32 THREAD, TYP (REF)

MODEL 6200 MOUNTING STUD,  
PROVIDED

**MOUNTING HOLE PREPARATION:**  
SELECT SURFACE FLAT TO .001 TIR  
DRILL #21 (.159) DIA. X .250 DEEP  
BOTTOM TAP 10-32 UNF-2B X .200 MIN.  
DEPTH PERF. THD.

**NOTE: THIS DRAWING IS EFFECTIVE  
FOR S/N 214 AND UP. WIRE COLORS  
ARE DIFFERENT FOR S/N's 213 AND  
DOWN**

1. MOUNTING TORQUE ON 1/2 HEX: 15 TO 20 LB-INCHES. DO NOT OVERTORQUE.
2. CASE MATERIAL-300 SERIES STAINLESS STEEL.
3. WEIGHT, LESS CABLE-12 GRAMS.

<b>DYTRAN</b> INSTRUMENTS, INC.				CHATSWORTH, CA.			
SCALE	2X	REV	-	DATE	-	ECN	-
DATE	9/18/03	PART NO.	MODEL 3006A				
DRAWN	N.C.	CHECKED	R.A.	MAT'L			
APPROVED					NEXT ASSEMBLY	USED ON	MODEL 3006A
TITLE						DWG NO.	
<b>OUTLINE/INSTALLATION DRAWING, MODELS 3006A (S/N 214 AND UP)</b>						<b>127-3006A</b>	
						SHEET 1 OF 1	

**SPECIFICATIONS**  
**MODEL 3006A LIVM ACCELEROMETER**

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	12	Grams
SIZE, HEX x HEIGHT	.50 x .80	Inches
MOUNTING PROVISION	10-32 X .20 DEEP TAPPED HOLE	
CABLE, RADially MOUNTED	10 ft. long	2-wire with shield
MATERIAL, BASE, CAP & CONNECTOR	300 Series	Stainless Steel
<b>PERFORMANCE</b>		
SENSITIVITY, $\pm 10\%$ [1]	100	mV/G
RANGE F.S. FOR $\pm 5$ VOLTS OUTPUT	$\pm 50$	G's
FREQUENCY RANGE, $\pm 5\%$	0.32 to 5,000	Hz
$\pm 3$ db	0.16 to 10,000	Hz
RESONANT FREQUENCY, NOM.	35	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.00001	G's RMS
LINEARITY [2]	$\pm 1\%$	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.001	G's/ $\mu\sigma$ @ 250 $\mu\sigma$
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION/SHOCK	600/3000	$\pm$ G's/G's PEAK
TEMPERATURE RANGE	-60 to +250	$^{\circ}$ F
SEAL, HERMETIC	Molded cable, Glass-to-metal seal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.06	%/ $^{\circ}$ F
<b>ELECTRICAL</b>		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+11 to +13	VDC
DISCHARGE TIME CONSTANT	1.0 to 0.5	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 Megohms, min.

Accessories supplied: (1) Model 6200 mounting stud.

[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.