



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.

DYTRAN 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.	
OUTLINE/INSTALLATION DRAWING, MODELS 3006A (S/N 214 AND UP)						127-3006A	
						SHEET 1 OF 1	

SPECIFICATIONS
MODEL 3006A LIVM ACCELEROMETER

<u>SPECIFICATION</u>	<u>VALUE</u>	<u>UNITS</u>
PHYSICAL		
WEIGHT	12	Grams
SIZE, HEX x HEIGHT	.50 x .80	Inches
MOUNTING PROVISION	10-32 X .20 DEEP TAPPED HOLE	
CABLE, RADIALY MOUNTED	10 FT long	2-wire with shield
MATERIAL, BASE, CAP & CONNECTOR	300 Series	Stainless Steel
PERFORMANCE		
SENSITIVITY, $\pm 10\%$ [1]	100	mV/G
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 50	G's
FREQUENCY RANGE, ± 1 db	0.32 to 15,000	Hz
± 3 db	0.16 to 20,000	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 $\mu\sigma$
ENVIRONMENTAL		
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
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +10 VOLTS NOM.	+9 to +12	VDC
DISCHARGE TIME CONSTANT, MIN.	1	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.