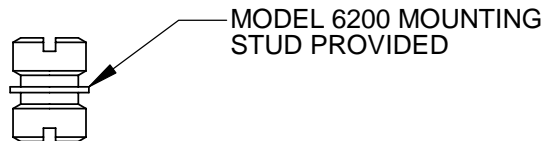
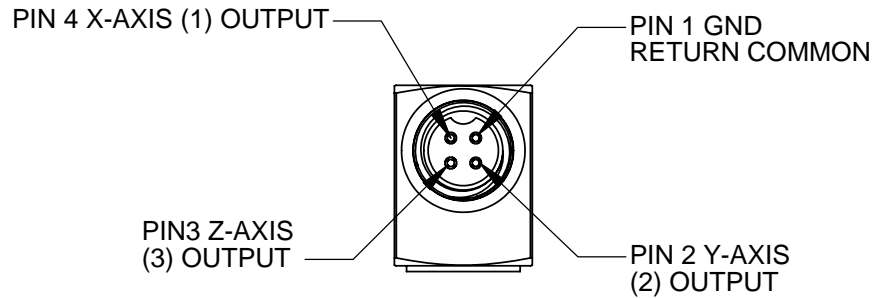


MOUNTING SURFACE 10-32
MOUNTING HOLE .12 DEEP



4. SENSITIVITY: 10mV/g NOMINAL
3. WEIGHT: 4 GRAMS
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
1. MATERIAL: TITANIUM ALLOY

DYTRAN
INSTRUMENTS, INC.

CHATSWORTH, CA

SCALE 4:1	REV -	DATE -	ECN -		
DATE 1/14/2005	PART NO. 127-3023A2				
DRAWN R.A.	CHECKED P.M.L.	MATERIAL			
APPROVED	NEXT ASSEMBLY -		USED ON -		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3023A2			DWG NO. 127-3023A2		
SHEET 1 OF 1					



SPECIFICATIONS, MODEL 3023A2 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
WEIGHT	4	GRAMS
SIZE (HEIGHT x WIDTH x DEPTH)	0.49 x .36 x .36	INCHES
MOUNTING	10-32 TAPPED HOLE IN BASE	
CONNECTOR	4-PIN [1]	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
PERFORMANCE		
SENSITIVITY, -10 +15% [2]	10.0	mV/G
RANGE, F.S. (each axis)	+/- 500	G
FREQUENCY RESPONSE, -5 / +15%		
Axis 1 & 2	1.5 to 5000	Hz
Axis 3	1.5 to 10000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	40	KHz
EQUIVALENT ELECTRICAL NOISE	.0095	G, RMS
LINEARITY [3]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING	
ENVIRONMENTAL		
MAXIMUM VIBRATION	+/- 600	G
MAXIMUM SHOCK	5000	G
TEMPERATURE RANGE	-60 to +250	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ELECTRICAL		
SUPPLY CURRENT RANGE, (each axis) [4]	2-to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
OUTPUT BIAS VOLTAGE	+7 to +11	VDC
DISCHARGE TIME CONSTANT	0.3 to 0.7	SEC
GROUND ISOLATION	CASE GROUNDED	

[1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 G RMS per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.

[4] Power only with Dytran LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.