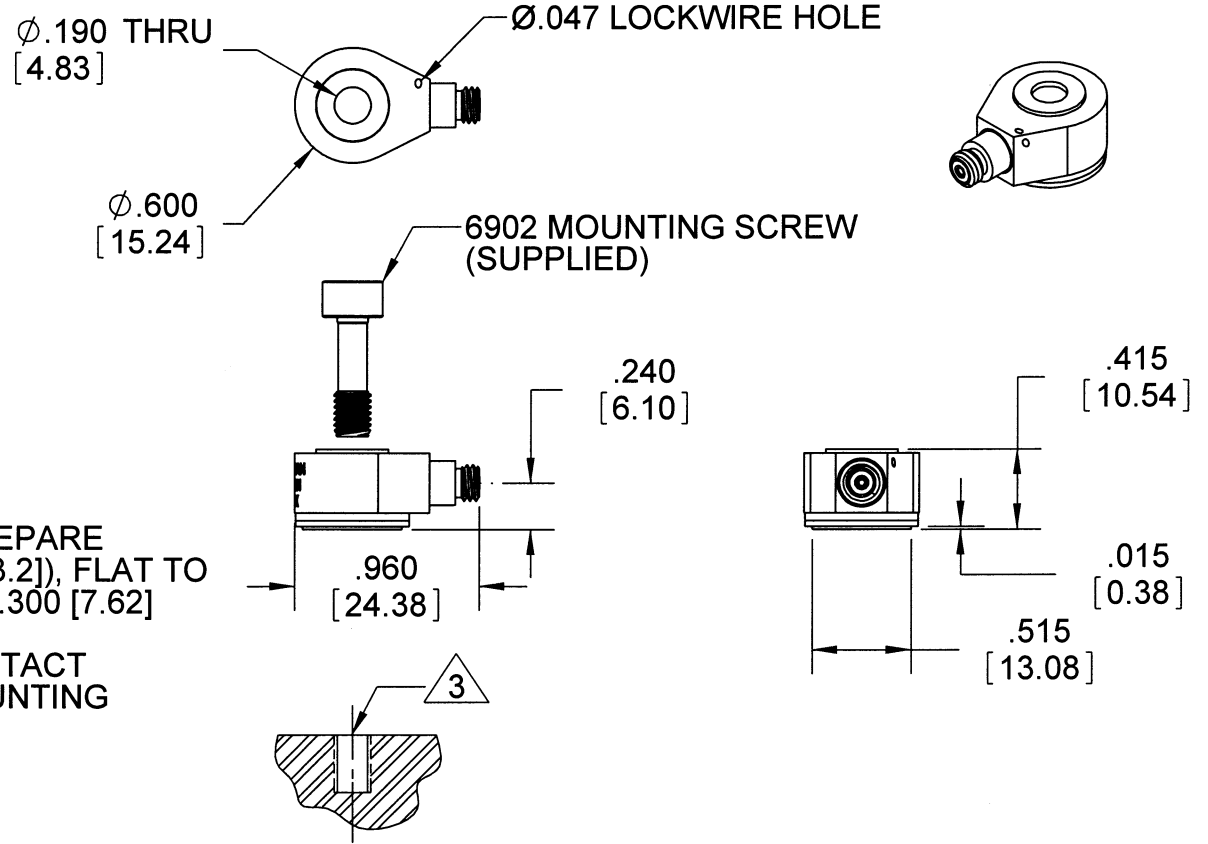


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	5633	ADD: 6902	RA 12/02/08	AWS	



3 MOUNTING RECOMENDATIONS: PREPARE MOUNTING SURFACE Ø.56 [14.2] (Ø.52 [13.2]), FLAT TO .001 TIR. DRILL AND TAP 10-32 UNC-2B X .300 [7.62] DEEP MIN. RECOMMENDED MOUNTING TORQUE: 15 LB IN +5/-0 LB IN. MUST CONTACT MOUNTING SURFACE OVER ENTIRE MOUNTING SURFACE OF ACCEROMETER.

- 2. MATERIAL: TITANIUM
- 1. WEIGHT: 10 GRAMS

NOTES: UNLESS OTHERWISE SPECIFIED.

3215M1	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING. ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.		
APPROVALS		DATE
ORIG	JS	04/03/08
CHK	CES	4/03/08
APP	D.V.	4/08/08
APP		

MASTER ONLY IF IN RED

TITLE:
**OUTLINE/INSTALLATION
DRAWING, 3215M1**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3215M1	REV B
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	

**SPECIFICATIONS, MODEL 3215M1
IEPE ACCELEROMETER**

SPECIFICATION	VALUE	UNITS
SENSITIVITY, $\pm 5\%$	10	mV/g
RANGE, FULL SCALE	± 500	gpk
FREQUENCY RANGE, $\pm 5\%$	1 TO 10000	Hz
RESONANCE FREQUENCY	> 50	kHz
DISCHARGE TIME CONSTANT	0.5 TO 1.5	sec
LOW FREQUENCY -3db POINT	0.3	Hz
LOW FREQUENCY -5% POINT	1.0	Hz
LINEARITY [1]	± 1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	5	%
OUTPUT IMPEDANCE, NOM.	120	Ω
OUTPUT VOLTAGE BIAS	7.5 to 9.5	VDC
ELECTRICAL NOISE	.002	grms
SUPPLY CURRENT RANGE [2]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE	+15 to +24	VDC
OPERATING TEMPERATURE RANGE	-60 to +300	$^{\circ}$ F
SIZE (DIA x HEIGHT)	0.6 x 0.42	inch
WEIGHT	10	grams
MAXIMUM SHOCK	5000	gpk
CONNECTOR, SIDE MOUNTED	10-32 COAXIAL	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
MOUNTING PROVISION	THRU HOLE FOR 10-32 THREAD SCREW	
ENVIRONMENTAL SEAL	HERMETIC	
ISOLATION, CASE TO MOUNTING SURFACE, MIN	10	$G\Omega$

[1] Percent of full scale or any lesser designated full scale range, zero-based best fit straight line method.

[2] Power only with Dytran or Dytran approved current source type power unit. Do not supply power without current limiting. You will destroy the integral electronics. This will void the warranty.