

- 3. CASE AND CONNECTOR MATERIAL: TITANIUM
- 2. WEIGHT LESS CABLE: 0.6 GRAMS.

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

DRILL HOLE SIZE	TOLERENCE +.004 /001	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS.	TOLERANCES ARE:  DECIMALS  ANGLES  XX ± .010 ±1°	CONTRACT NO.			MASTER ONLY IF IN RED							
.1260 THRU .250 .2510 THRU .500 .5010 THRU .750 .7510 THRU 1.000	+.005 /001 +.006 /001 +.008 /001 +.010 /001	THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING ALL MACHINED SURFACES. 63	.XXX±.005 MATERIAL:	ORIG	ROVALS NC	DATE 7/1/08	OUTLINE DRA				WING			
1.001 THRU 2.000				СНК	DV	1/9/3						\	_	
THIRD ANGLE PROJECTION USA		TOTAL RUNOUT WITHIN .005.  BREAK SHARP EDGES .005 TO .010.  MACHINED FILLET RADII .005 TO .015	FINISH:	APP	Aus	7/1/08	SIZE	CAGE (		DWG NO	127_	3225	<b>=</b> 3	
-(-;-)		WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.		APP			D	2000	J33 		121-	T		
9			DO NOT SCALE DRAWING				SCALE:	2:1		SOLIDWOR	KS	SHEET	1	ot

SHEET 1 of 1

CHK

APPR

ANS



**Dynamic Transducers and Systems** 21592 Marilla St. • Chatsworth, CA 91311 • Phone 818-700-7818 www.dytran.com • e-mail: info@dytran.com

# **SPECIFICATIONS**

# **MODEL 3225F3 MINIATURE LIVM ACCELEROMETER**

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT SIZE (DIA x LENGTH HEX x HEIGHT) MOUNTING PROVISION CONNECTOR CASE MATERIAL SENSING ELEMENT TYPE	0.6 0.31 x 0.48 x .19 Flat mounting surface for adhesive mour 36" INTEGRATED CABLE TO 10-32 RETitanium Quartz, planar shear	
PERFORMANCE		
SENSITIVITY, ±10% [1] [2] RANGE F.S. FOR ± 5 VOLTS OUT FREQUENCY RESPONSE, ± 10% [2] MOUNTED RESONANT FREQUENCY, NOM. EQUIVALENT ELECTRICAL NOISE FLOOR AMPLITUDE NON-LINEARITY (ZERO BASED BEST-FIT ST.LINE METHOD) TRANSVERSE SENSITIVITY, MAX. STRAIN SENSITIVITY	10.0 ±500 1.6 to 10,000 40 .007 2.0 5 .0005 G's per mic	mV/G G's Hz kHz G's RMS % F.S., MAX. PERCENT crostrain @ 250/μσ
ENVIRONMENTAL		
MAXIMUM VIBRATION MAXIMUM SHOCK TEMPERATURE RANGE THERMAL COEFFICIENT OF SENSITIVITY ENVIRONMENTAL SEAL	400 5000 -60 TO 250 .03 EPOXY, TIG welded & glass-to-metal se	G's, RMS G's, PEAK °F %/°F eal connector
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3] OUTPUT IMPEDANCE, TYP. BIAS VOLTAGE DISCHARGE TIME CONSTANT, NOM. OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP CASE ISOLATION	2 to 20/+18 to +30 100 +7 to +9 0.3	mA/Volts Ohms VDC Sec Positive MΩ MIN

## **SUPPLIED ACCESSORIES:**

- [1] MODEL 6591A INSTALLATION REMOVAL WRENCH [2] MODEL 6298 MOUNTING WAX

### NOTES:

- [1] MEASURED AT 100 Hz, 1 G RMS PER ISA RP37.2.
- [2] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO **NIST**, SUPPLIED WITH EACH INSTRUMENT.
- [3] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER.

## **OPERATING INSTRUCTIONS**