

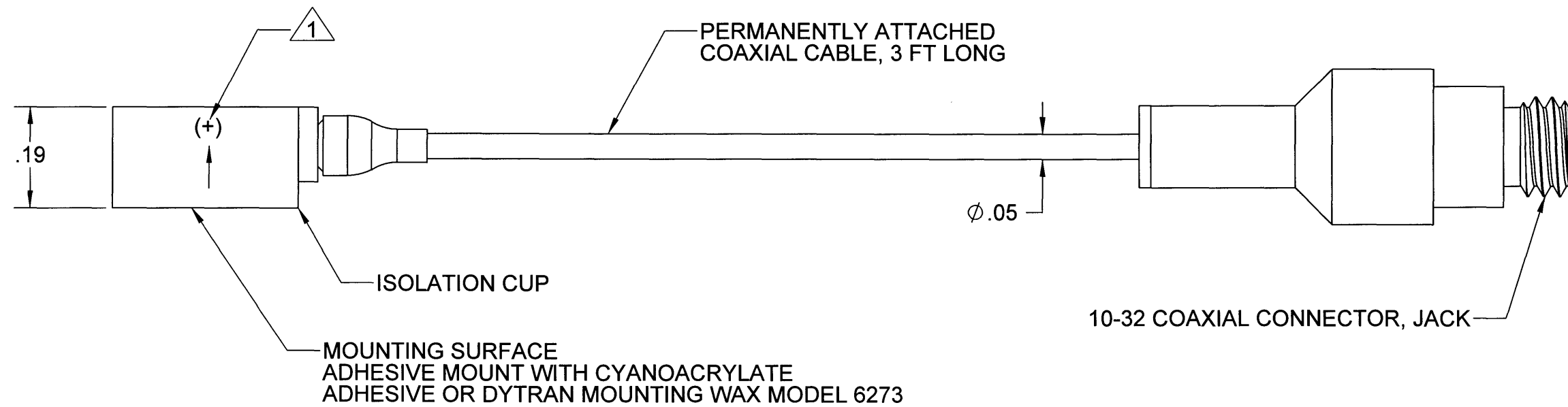
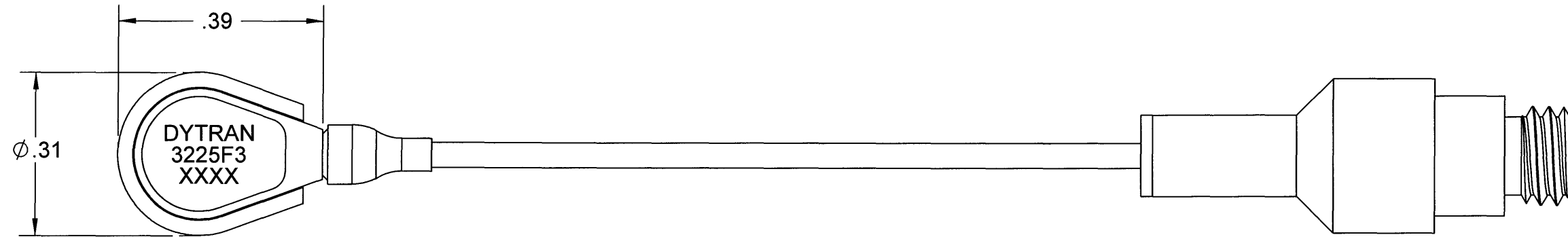
PROPRIETARY AND CONFIDENTIAL

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DWG NO 101-3225F3 SH 1 REV A

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5318	INITIAL RELEASE	RA, 7/5/08	<i>DV</i>	ANS



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	TOLERANCE	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. 63 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.
.0135 THRU .125	+0.004 / -.001	
.1260 THRU .250	+0.005 / -.001	
.2510 THRU .500	+0.006 / -.001	
.5010 THRU .750	+0.008 / -.001	
.7510 THRU 1.000	+0.010 / -.001	
1.001 THRU 2.000	+0.012 / -.001	

THIRD ANGLE PROJECTION
USA

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.	
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°		
MATERIAL:	APPROVALS	ORIG	DATE
FINISH:	CHK <i>DV</i>	NC	7/1/08
DO NOT SCALE DRAWING	APP <i>Ans</i>	APP	7/9/08

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER ONLY IF IN RED

TITLE: **OUTLINE DRAWING**

SIZE B	CAGE CODE 2W033	DWG NO 127-3225F3	REV A
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SCALE: 2:1 SOLIDWORKS SHEET 1 of 1



SPECIFICATIONS

MODEL 3225F3 MINIATURE LIVM ACCELEROMETER

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