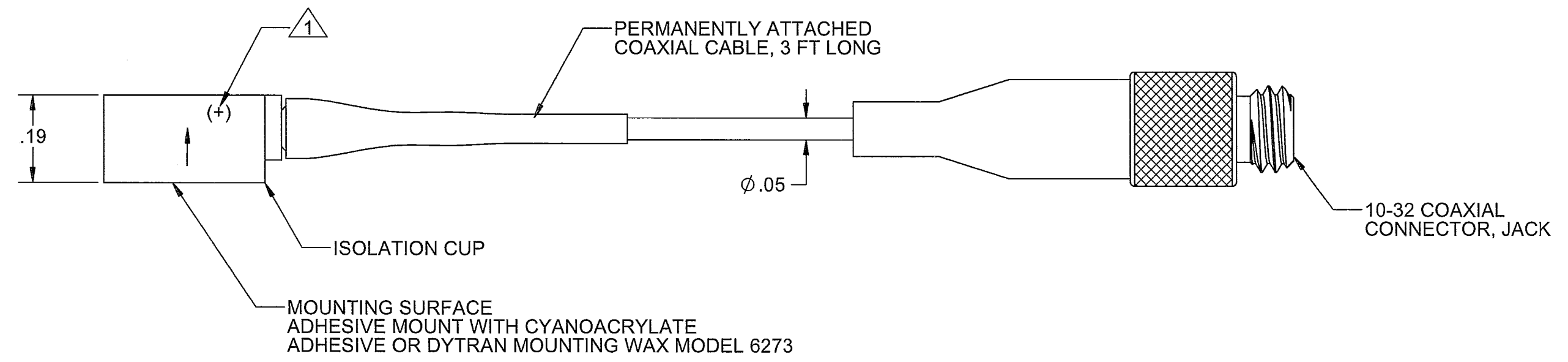
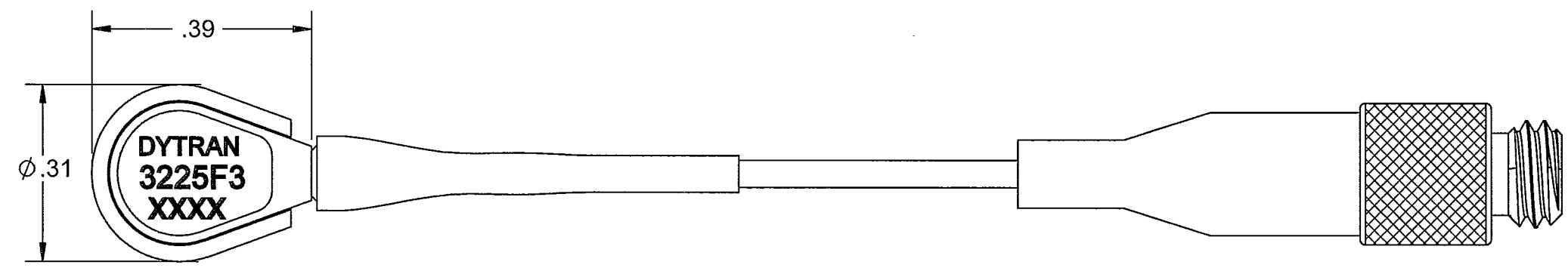


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5318	INITIAL RELEASE	RA, 7/5/08	DV	ANS
B	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	91	DV



- 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. $\sqrt{3}$ 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	+ .004 / - .001	
.1260 THRU .250	+ .005 / - .001	
.2510 THRU .500	+ .006 / - .001	
.5010 THRU .750	+ .008 / - .001	
.7510 THRU 1.000	+ .010 / - .001	
1.001 THRU 2.000	+ .012 / - .001	

THIRD ANGLE PROJECTION
USA

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.	
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°	APPROVALS	DATE
MATERIAL:		ORIG	NC
		CHK	DV
FINISH:		APP	ANS
		APP	
DO NOT SCALE DRAWING			

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TITLE: **OUTLINE DRAWING**

SIZE B	CAGE CODE 2W033	DWG NO 127-3225F3	REV B
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] mV/G	10.0	
RANGE F.S. FOR ± 5 VOLTS OUT	±500	G's
FREQUENCY RESPONSE, ± 10% [2]	1.6 to 10,000	Hz
MOUNTED RESONANT FREQUENCY	>60	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.