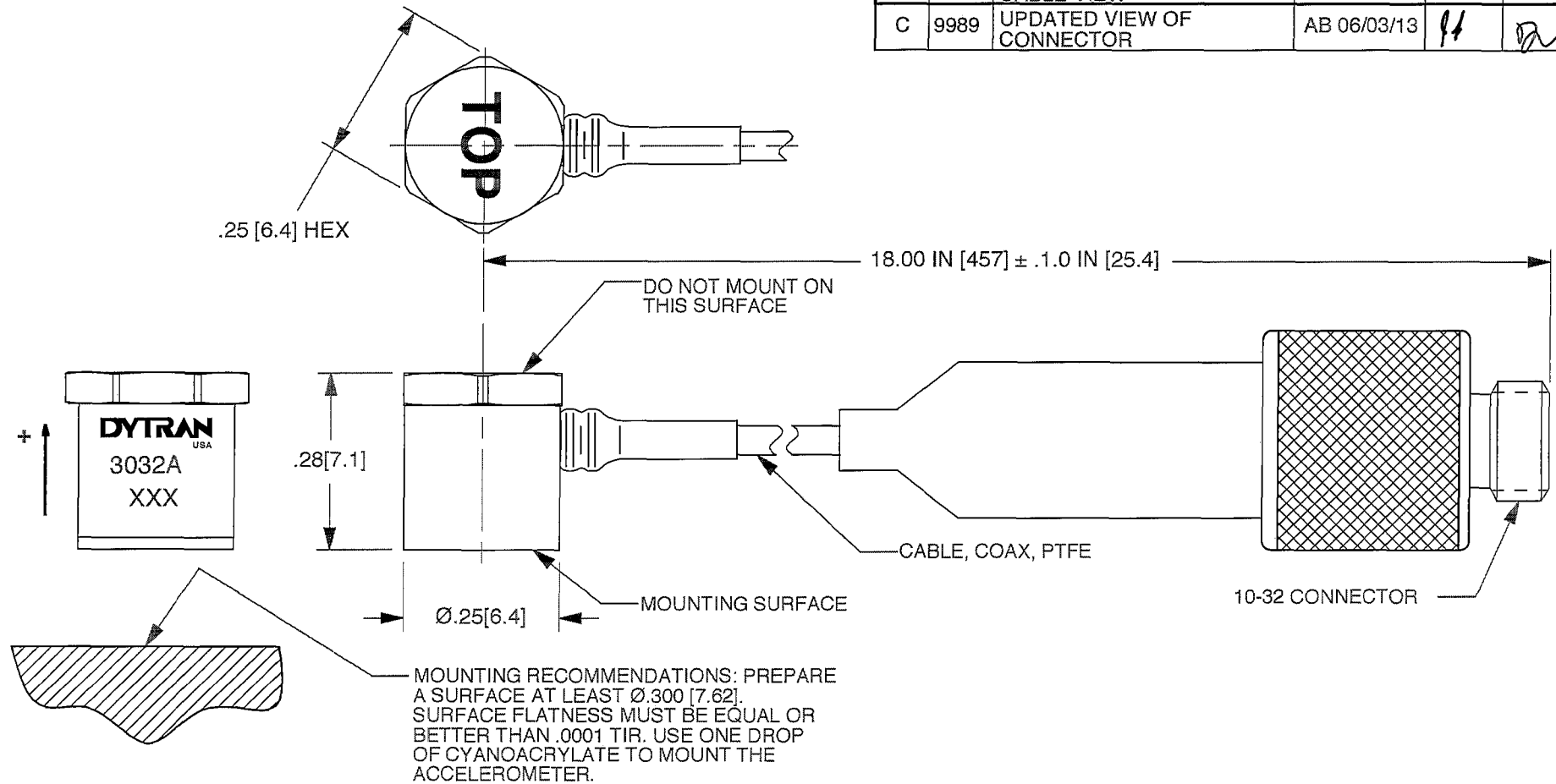


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	7725	UPDATED MARKING, CABLE VIEW	RLA 08/03/11	DV	ANS
C	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	ff	<i>[Signature]</i>



3. HOUSING MATERIAL: TITANIUM

2. WEIGHT (LESS CABLE): 1.5 GRAMS

1. TO REMOVE, (UN-INSTALL) TORQUE GENTLY ON HEX UNTIL
 ADHESIVE JOINT FAILS IN SHEAR. DO NOT STRIKE TO REMOVE.

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994. REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA. THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S- 7742. DIMENSIONS APPLY AFTER FINISHING.	CONTRACT NO
APPLICATION		ALL MACHINED SURFACES ⁶³ TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RADI .005 TO .015. WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25
THIRD ANGLE PROJECTION USA		FINISH	DO NOT SCALE DRAWING

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MASTER
ONLY IF IN RED

CHATSWORTH, CA.

SCALE 4X	DESIGN NC	DATE 10/23/98		
DRAWN NC	DATE 10/23/98	PART NO. -		
CHECKED R.A.	DATE 10/23/98	MAT'L -		REV C
APPROVED N.C.	DATE 10/23/98	NEXT ASSEMBLY -	USED ON	

**OUTLINE/INSTALLATION DRAWING,
MODEL 3032A**

DWG NO.

127-3032A

SHEET 1

OF 1

SPECIFICATIONS

MODEL 3032A MINIATURE QUARTZ SHEAR LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT, LESS CABLE	1.5	GRAMS
WEIGHT, INCLUDING CABLE	5.6	GRAMS
SIZE (HEX x HEIGHT)	.25 x .28	INCHES
MOUNTING PROVISION	ADHESIVE MOUNT	
CONNECTOR, COAXIAL, MOUNTED AT END OF 18 IN CABLE	10-32, UNF-2A	JACK
CASE /CAP MATERIAL	TITANIUM	
ELEMENT TYPE	QUARTZ SHEAR	
PERFORMANCE		
SENSITIVITY, +/-10% [1]	10	mV/G
RANGE F.S. FOR +/- 5 VOLTS OUT	+/- 500	G's
FREQUENCY RESPONSE, +/- 10%	1 to 10,000	Hz
FREQUENCY RESPONSE, +/- 3db	.45 TO 12,000	Hz
MOUNTED RESONANT FREQUENCY	> 80	kHz
EQUIVALENT ELECTRICAL NOISE (RESOLUTION)	.007	G, RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.001	G's PER MICROSTRAIN @ 250/ $\mu\sigma$
ENVIRONMENTAL		
MAXIMUM VIBRATION	1000	G's, RMS
MAXIMUM SHOCK	1500	G's, PEAK
TEMPERATURE RANGE	-60 TO +250	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	0.06	%/ $^{\circ}$ F
SEAL	EPOXY/WELDED	
ELECTRICAL		
EXCITATION (COMPLIANCE) VOLTAGE RANGE	+20 to +30	VDC
EXCITATION CURRENT RANGE	2 to 20	mA
OUTPUT IMPEDANCE, NOM.	100	
OHMS		
OUTPUT BIAS VOLTAGE	7.0 to 9.0	VDC
DISCHARGE TIME CONSTANT	0.3 to 0.8	SEC.
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	POSITIVE GOING	

[1] MEASURED AT 1 G RMS AT 100 HZ PER ISA RP 37.2

[2] A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.



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