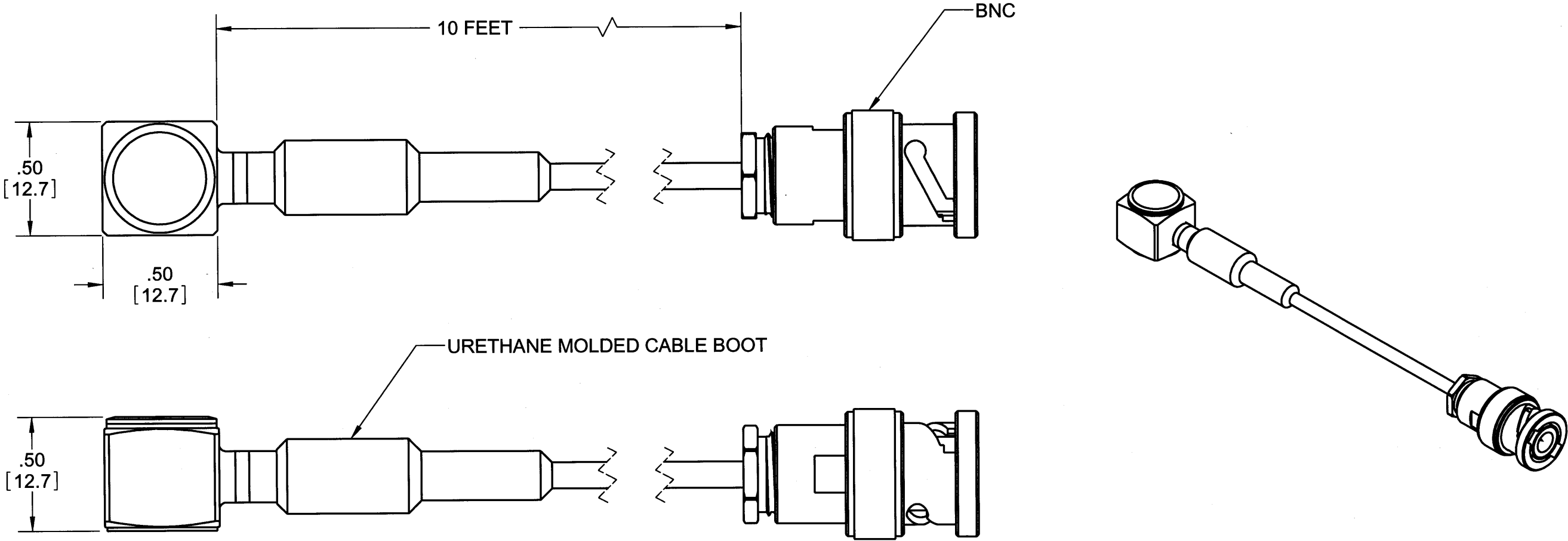


PROPRIETARY AND CONFIDENTIAL

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DWG NO 127-3217A SH 1 REV A

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4839	INITIAL RELEASE	RLA, 10/2/07	PML	PML




2. MATERIAL: TITANIUM ALLOY

1. WEIGHT, LESS CABLE: 5 GRAMS

NOTES:

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
.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		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.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°	CONTRACT NO.		 DYTRAN INSTRUMENTS, INC. Chatsworth, CA	MASTER ONLY IF IN RED		
		APPROVALS	DATE		TITLE: OUTLINE DRAWING MODEL 3217A, 100mV/G		
MATERIAL:	ORIG	PML	7/17/07	SIZE B	CAGE CODE 2W033	DWG NO 127-3217A	REV A
	CHK						
FINISH:	APP	<i>PML</i>	<i>10/5/07</i>	SCALE: 2:1 SOLIDWORKS SHEET 1 of 1			
	APP						
DO NOT SCALE DRAWING							

SPECIFICATIONS, MODEL 3217A IEPE ACCELEROMETER

MODEL	RANGE F.S. (g)	MAXIMUM SHOCK (g)	SENSITIVITY (NOM) (mV/g)	ELECTRICAL NOISE (g)	NATURAL FREQUENCY (kHz)
3217A	50	5000	100	0.0005	38

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT, NOM.	0.5	SECOND
FREQUENCY RESPONSE, $\pm 10\%$	1 TO 10000	Hz
LINEARITY [1]	± 1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	5	%
OUTPUT IMPEDANCE, NOM.	120	OHMS
OUTPUT VOLTAGE BIAS, NOM.	+12	VDC
SUPPLY CURRENT RANGE [2]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE	+18 to +20	VDC
OPERATING TEMPERATURE RANGE	-60 to +250	$^{\circ}\text{F}$
SIZE (WIDTH x HEIGHT)	0.50 x 0.50	INCHES
WEIGHT, LESS CABLE	5	GRAMS
CONNECTOR, SIDE EXIT	INTEGRAL, 10 FEET	
MATERIAL, HOUSING	TITANIUM ALLOY	
MOUNTING PROVISION	ADHESIVE	
ENVIRONMENTAL SEAL	HERMETIC, URETHANE MOLDED CABLE BOOT	
ISOLATION, CASE TO MOUNTING SURFACE, MIN	10	M Ω

[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.