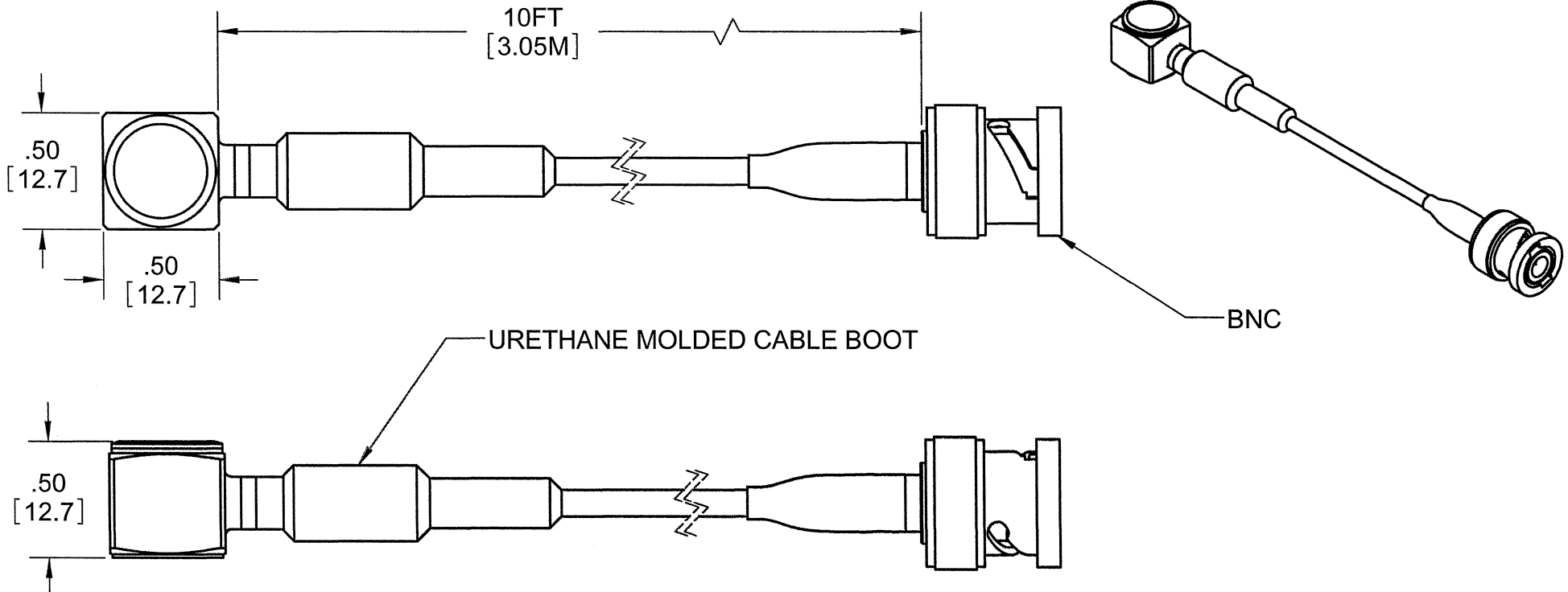


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4839	INITIAL RELEASE	RLA, 10/2/07	CES	CES
B	7423	REVISED VIEW OF CABLE ASSY	JS 03/21/11	<i>JS</i>	<i>JS</i>



2. MATERIAL: TITANIUM ALLOY

1. WEIGHT, LESS CABLE: 5 GRAMS

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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.
 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.
 DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
 TOLERANCES ARE:
 INCHES METRIC ANGLES
 .XX ± .03 X ± 0.8 ± 1°
 .XXX ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.		
APPROVALS		DATE
ORIG	PML	10/11/07
CHK	PML	10/17/07
APP	PML	10/17/07
APP		

DYTRAN INSTRUMENTS, INC. **MASTER ONLY IF IN RED**

TITLE: **OUTLINE/INSTALLATION DRAWING 3217A**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3217A	REV B
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



**SPECIFICATIONS, MODEL 3217A
IEPE ACCELEROMETER**

MODEL	RANGE F.S. (g)	MAXIMUM SHOCK (g)	SENSITIVITY (mV/g)	ELECTRICAL NOISE (g)	NATURAL FREQUENCY (kHz)
3217A	50	5000	100,+10%/-5%	0.0005	38

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT	0.5 to 1	SECOND
FREQUENCY RESPONSE, ±10%	1 to 10000	Hz
LINEARITY [1]	±1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	5	%
OUTPUT IMPEDANCE, NOM.	120	OHMS
OUTPUT VOLTAGE BIAS	11 to 13	VDC
SUPPLY CURRENT RANGE [2]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE	+18 to +20	VDC
OPERATING TEMPERATURE RANGE	-60 to +250	°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	MΩ

[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.