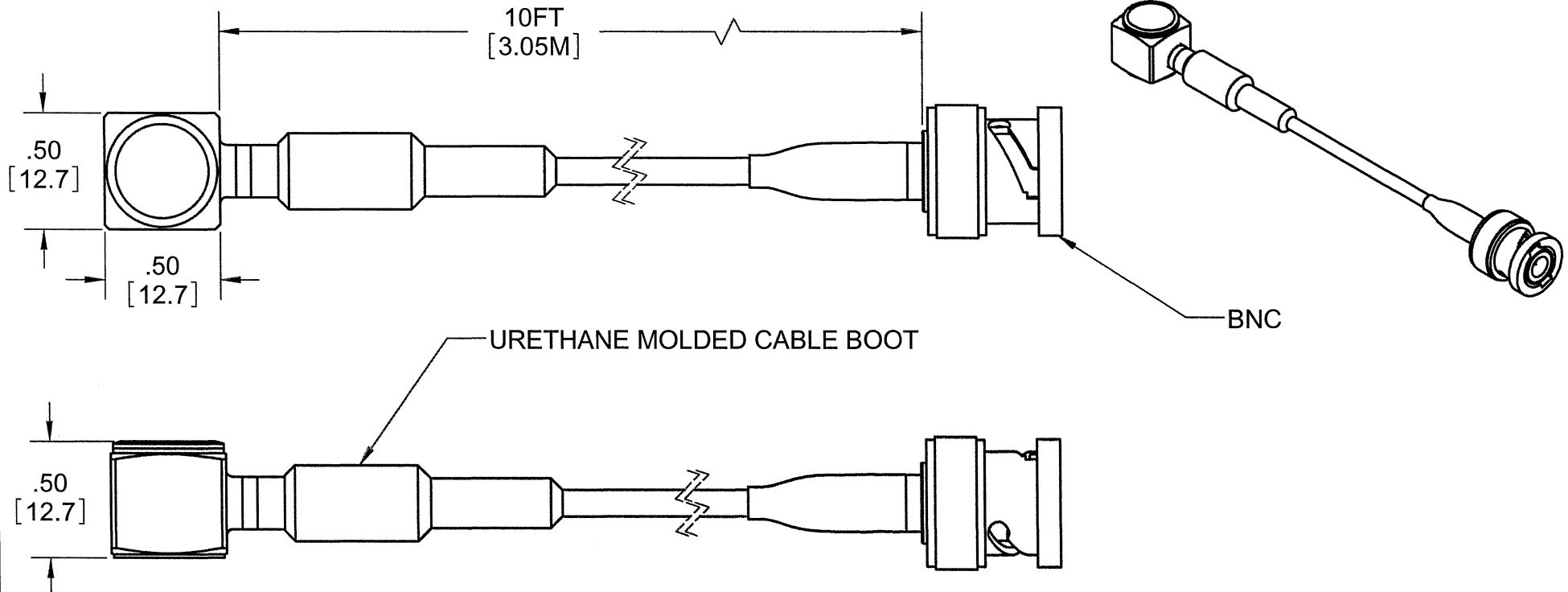


PROPRIETARY AND CONFIDENTIAL

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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	



- HIGH FREQUENCY PERFORMANCE
- EXCELLENT LINEARITY
- HERMETICALLY SEALED MOLDED CABLE BOOT
- INTEGRAL CONNECTOR

ENGLISH		SI	
PHYSICAL			
Weight, Less Cable, Max	0.18 oz	5 grams	
Mounting Provision	Adhesive	Adhesive	
Cable Length	10 FT	3 m	
Material, Housing	Titanium Alloy	Titanium Alloy	
Element Style	Crystal Shear Mode	Crystal Shear Mode	
PERFORMANCE			
Sensitivity, ±10% [1]	100 mV/g	10.19 mV/m/s ²	
Range F.S for ± 5 Volts Output	50 g	490.00 m/s ²	
Frequency Range, ±10%	1 to 10000 Hz	1 to 10000 Hz	
Resonant Frequency	> 30 kHz	> 30 kHz	
Equivalent Electrical Noise Floor	0.007 Grms	0.069 m/s ² rms	
Linearity [1]	± 2% % F.S.	± 2% % F.S.	
Maximum Transverse Sensitivity	5 %	5 %	
Strain Sensitivity, Max	0.004 g/µε	0.04 m/s ² /µε	
ENVIRONMENTAL			
Maximum Vibration	±1000 G's, peak	±5886 m/s ² peak	
Maximum Shock	3000 G's, peak	±29430 m/s ² peak	
Temperature Range	-60 to +250 °F	-54 to +121 °C	
Seal, Accelerometer	Hermetic	Hermetic	
Electrical			
Supply Current Range [4]	2 to 20 mA	2 to 20 mA	
Compliance Voltage Range	+ 18 to +30 Volts	+ 18 to +30 Volts	
Output Impedance, Nom	100 Ω	100 Ω	
Bias Voltage	+11 to +13 VDC	+11 to +13 VDC	
Discharge Time Constant	0.8 to 2.0 Sec	0.8 to 2.0 Sec	
Output Signal Polarity for Acceleration Towards Top	Positive	Positive	
Electrical Isolation, Case Ground to Mounting Surface	10 GΩ, min	10 GΩ, min	

This family also includes:

Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock	Resonant Frequency

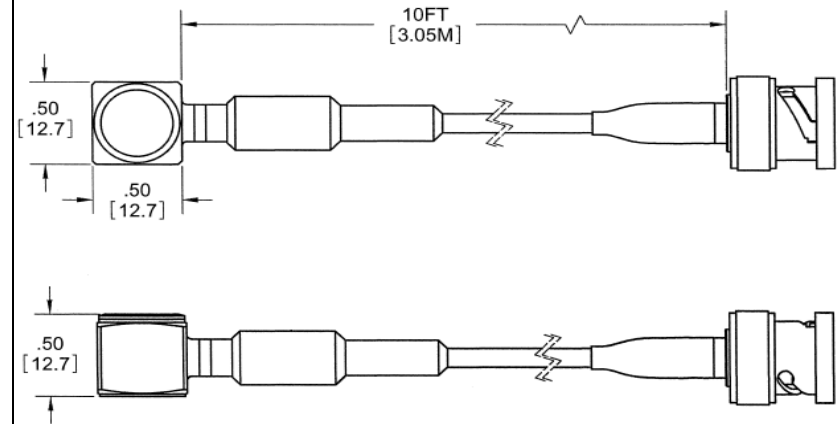
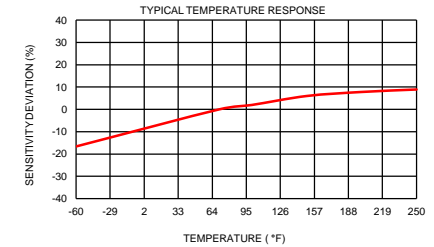
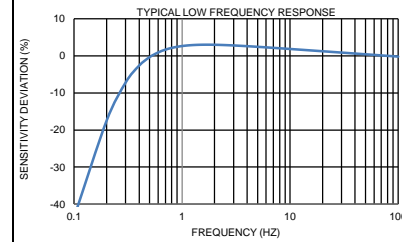
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3006M8 for more information.

