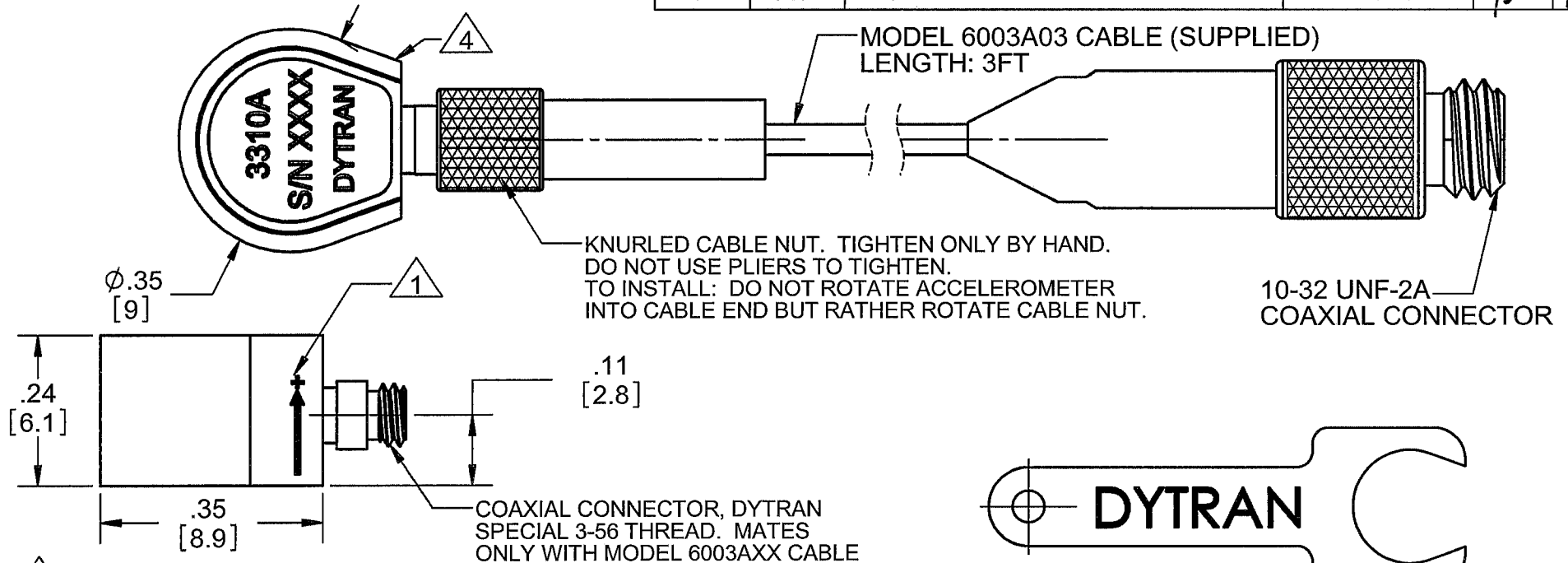


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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6785	INITIAL RELEASE	RA 05/22/10	JS	DV
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	AS



4. ISOLATOR CUP: ANODIZED ALUMINUM. DIELECTRIC WITHSTANDING: <1mA AT 1000VDC FOR 60 SECONDS DWELL WITH 20 SECONDS RAMP RATE
3. CASE AND CONNECTOR MATERIAL: TITANIUM

2. WEIGHT LESS CABLE: 1.8 GRAMS APPROXIMATELY

1. ARROW INDICATES DIRECTION OF POSITIVE OUTPUT SIGNAL

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	RA	05/22/10
CHK	JS	05/24/10
APP	DV	06/08/10
APP		


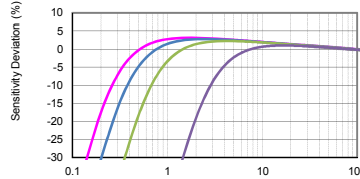
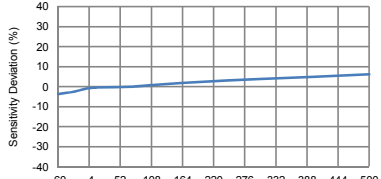
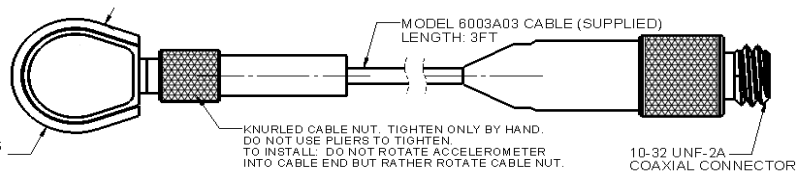
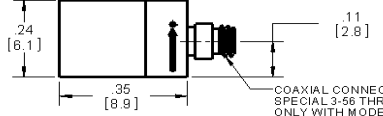

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Chatsworth, CA

TITLE:

OUTLINE DRAWING, 3310A

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3310A	REV B
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SCALE: 4:1 SOLIDWORKS SHEET 1 OF 1

MODEL NUMBER 3310A		PERFORMANCE SPECIFICATION				DOC NO. PS3310A																					
		CHARGE MODE ACCELEROMETER				REV C, ECN 9494, 05/06/13																					
		<ul style="list-style-type: none">• MINIATURE SIZE• REMOVABLE CABLE• HERMETICALLY SEALED																									
PHYSICAL		ENGLISH		SI																							
Weight	0.063	oz	1.8	grams																							
Mounting Provision	[1]		[1]																								
Connector [2]	3-56 UNF-2A		3-56 UNF-2A																								
Case Material	Titanium		Titanium																								
Sensing Element Type	LiNbO ₃		LiNbO ₃																								
PERFORMANCE																											
Sensitivity [3] [4]	1.0 - 1.3	pC/g	0.10 - 0.13	pC / m/s ²																							
Range F.S	+/-3000	g/με	+/-29,430	m/s ²																							
Frequency Response, +/- 3dB	[5] to 20,000	Hz	[5] to 15,000	Hz																							
Frequency Response, +/- 10%	[5] to 10,000	Hz	[5] to 10,000	Hz																							
Frequency Response, +/- 5%	[5] to 7,000	Hz	[5] to 5,000	Hz																							
Mounted Resonant Frequency	>45	kHz	>45	kHz																							
Amplitude Non-Linearity	1	%F.S MAX	1	%F.S MAX																							
Transverse Sensitivity, Max	5	%	5	%																							
Strain Sensitivity @250/μσ	0.00012	g/με	0.0012	m/s ² /με																							
ENVIRONMENTAL																											
Maximum Vibration	4000	g rms	39200	m/s ² rms																							
Maximum Shock	5000	g	49000	m/s ²																							
Temperature Range	-60 to +500	°F	-51 to +260	°C																							
Environmental Seal	Hermetic		Hermetic																								
ELECTRICAL																											
Output Signal Polarity	Positive		Positive																								
Isolation	[6]		[6]																								
		<p>This family also includes:</p> <table><tr><th>Model</th><th>Sensitivity (pC/psi)</th><th>Range (pC)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Please, refer to the performance specifications of the products in this family for detailed description.</p> <p>Supplied Accessories</p> <ol style="list-style-type: none">1) Model 6927 installation wrench.2) Accredited calibration certificate (ISO 17025)3) Model 6003A03 removable cable. <p>Notes:</p> <ol style="list-style-type: none">[1] Flat mounting surface for adhesive mount.[2] Connector radially mounted. Connector mates only with Dytran cable model 6003XX.(XX is length in feet)[3] Measured at 100 Hz, 1 G RMS per ISA RP37.2.[4] Actual sensitivity is given on a calibration certificate traceable to NIST, supplied with each instrument.[5] Low frequency response is depended upon the discharge time constant of the charge amplifier.[6] Case grounded unit epoxied into anodized aluminum cup. Dielectric withstanding of <1mA at 1000VDC[7] In the interest of constant product improvement, we reserve the right to change specifications without notice.						Model	Sensitivity (pC/psi)	Range (pC)	Resolution (Grms)	Oper. Temp(°F)															
Model	Sensitivity (pC/psi)	Range (pC)	Resolution (Grms)	Oper. Temp(°F)																							
		<p>TYPICAL LOW FREQUENCY RESPONSE</p>  <p>TYPICAL TEMPERATURE RESPONSE</p> 																									
		 <p>MODEL 6003A03 CABLE (SUPPLIED) LENGTH: 3FT</p> <p>KNURLED CABLE NUT. TIGHTEN ONLY BY HAND. DO NOT USE PLIERS TO TIGHTEN. TO INSTALL, DO NOT ROTATE ACCELEROMETER INTO CABLE END BUT RATHER ROTATE CABLE NUT.</p> <p>10-32 UNF-2A COAXIAL CONNECTOR</p>  <p>COAXIAL CONNECTOR, DYTRAN SPECIAL 3-56 THREAD. MATES ONLY WITH MODEL 6003AXX CABLE</p>																									
		<p>Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3310A for more information.</p>																									
		<p>21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com</p>																									