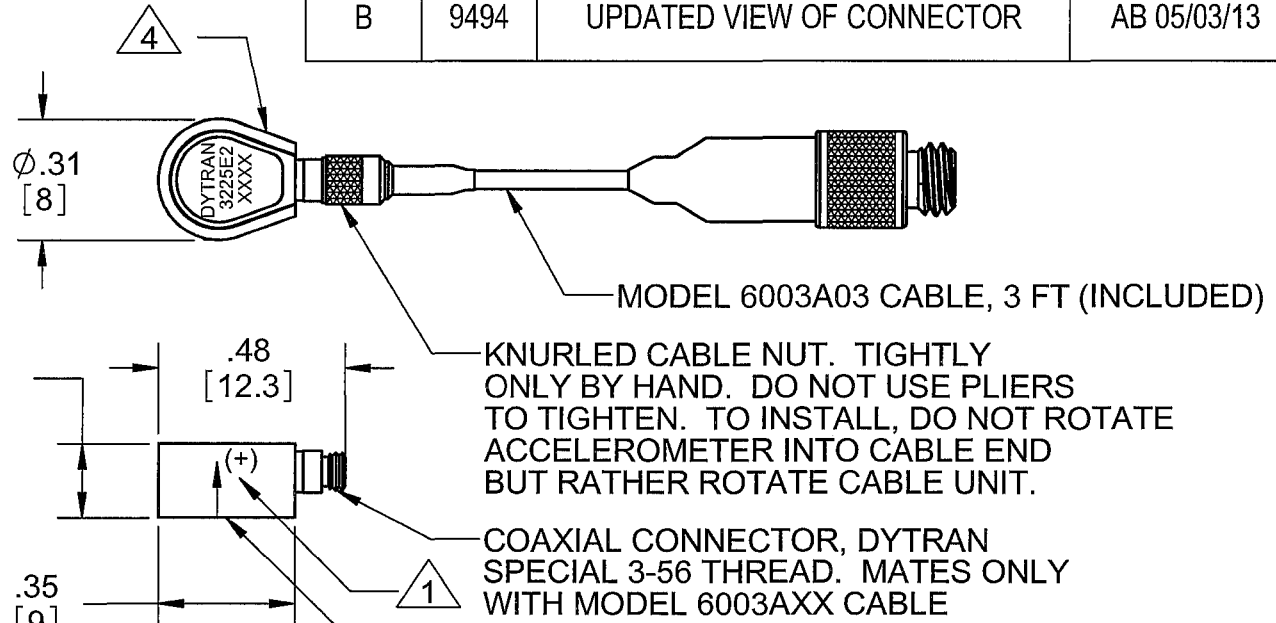


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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6935	UPDATED DYTRAN MARKING LOGO	RA, 09/20/10	JS	ANS
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	<i>fl</i>	<i>AS</i>



- 4 ISOLATOR CUP: ANODIZED ALUMINUM
- 3. CASE AND CONNECTION MATERIAL: TITANIUM
- 2. WEIGHT LESS CABLE: 1 GRAM
- 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL

NOTES: UNLESS OTHERWISE SPECIFIED.

3225XX	
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.

63
 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 ± 0.10 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.		
APPROVALS		DATE
ORIG	RA	04/14/05
CHK	PML	03/14/06
APP	PML	04/14/06
APP		

OUTLINE/INSTALLATION DRAWING, 3225E2

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3225E2	B
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

MODEL NUMBER 3225E2	PERFORMANCE SPECIFICATION	DOC NO. PS3225E2
CHARGE MODE ACCELEROMETER		REV A, ECN 13243, 02/06/17



- MINIATURE SIZE
- REMOVABLE CABLE
- HERMETICALLY SEALED

PHYSICAL

	ENGLISH		SI	
Weight, Max. (Less Cable)	0.04	oz	1.0	grams
Size (Dia. x Length Hex x Height)	0.31 x 0.46 x 0.19	in	6.4 x 10.9 x 3.8	mm
Mounting Provision	[1]		[1]	
Connector [2]	3 - 56 UNF-2A		3 - 56 UNF-2A	
Case Material	Titanium		Titanium	
Sensing Element	Ceramic		Ceramic	
Material Mode	Shear		Shear	

PERFORMANCE

	ENGLISH		SI	
Sensitivity, ±20% [3] [4]	1.8	pC/g	0.18	pC / m/s ²
Frequency Response, +/- 10%	[5] to 10000	Hz	[5] to 10000	Hz
Mounted Resonant Frequency	> 60	kHz	> 60	kHz
Amplitude Non-Linearity	2	% F.S. MAX	2	% F.S. MAX
Transverse Sensitivity, Max.	5	%	5	%
Strain Sensitivity @250/μs	0.0005	g/μe	0.005	m/s ² /μe

ENVIRONMENTAL

	ENGLISH		SI	
Maximum Vibration	400	g rms	3920	m/s ² rms
Maximum Shock	5000	g	49000	m/s ²
Temperature Range	-60 to +350	°F	-51 to + 176	°C
Environmental Seal	Hermetic		Hermetic	

ELECTRICAL

	ENGLISH	SI
Output Signal Polarity Toward Top	Positive	Positive
Case Grounding	Case Isolated	Case Isolated

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (grms)	Oper. Temp (°F)	TC

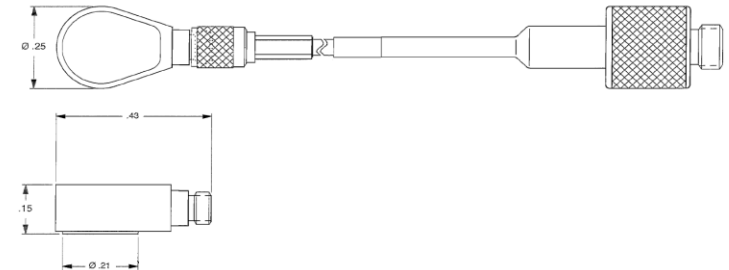
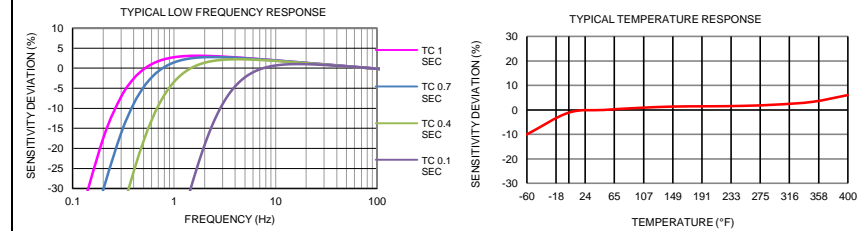
Please, refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Model 6591A installation wrench.
- 2) Model 6298 small petro mounting wax.
- 3) Model 6003A03 removable cable.
- 4) Accredited calibration certificate (ISO 17025)

Notes:

- [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 dependent upon the discharge time constant of the charge amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225E2 for more information.



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