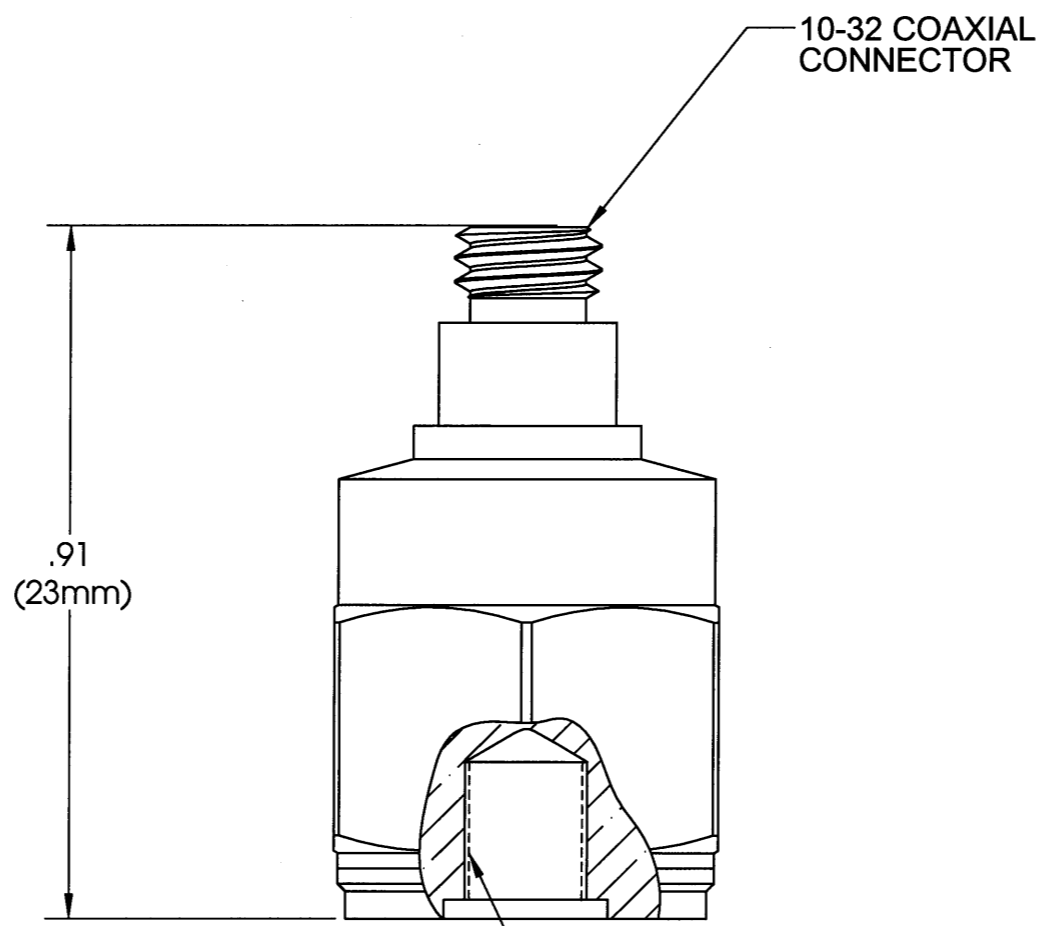
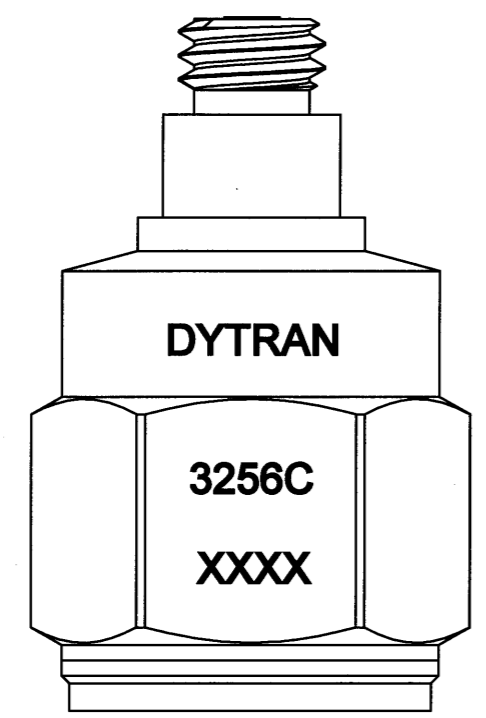
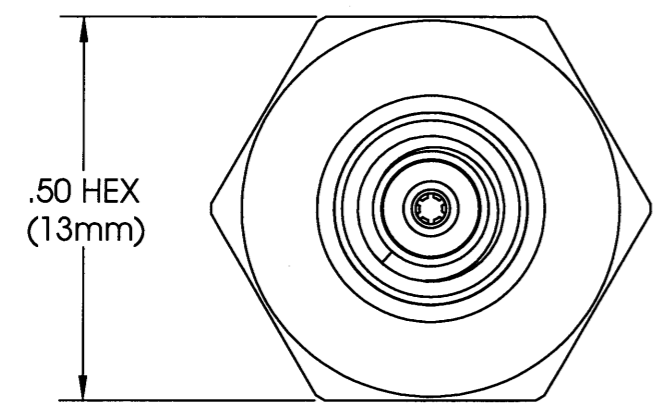


REVISIONS				
REV.	ECN	DESCRIPTION	BY/DATE	CHK APPR
A	4930	INITIAL RELEASE	JS 12/04/07	RA PML



DRILL HOLE SIZE	TOLERANCE
.0135 THRU .125	+0.004 / -.001
.1260 THRU .250	+0.005 / -.001
.2510 THRU .500	+0.006 / -.001
.5010 THRU .750	+0.008 / -.001
.7510 THRU 1.000	+0.010 / -.001
1.001 THRU 2.000	+0.012 / -.001

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.

THIRD ANGLE PROJECTION  
 USA

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.	
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ±1°	APPROVALS	DATE
MATERIAL:		ORIG JS	12/04/07
FINISH:		CHK RA	12/6/07
		APP PML	12/6/07
		APP	
DO NOT SCALE DRAWING			

**DYTRAN INSTRUMENTS, INC.** Chatsworth, CA

**MASTER ONLY IF IN RED**

TITLE: **OUTLINE DRAWING MODEL 3256C**

SIZE <b>B</b>	CAGE CODE <b>2W033</b>	DWG NO <b>127-3256C</b>	REV <b>A</b>
SCALE: 2:1	SOLIDWORKS	SHEET 1 of 1	

NOTES: UNLESS OTHERWISE SPECIFIED

<b>MODEL NUMBER</b> <b>3256C</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3256C</b>
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**Accelerometer, Charge Mode**

REV A, ECN 5676, 12/22/08



- **HERMETICALLY SEALED**
- **HIGH CHARGE OUTPUT**
- **ROBUST DESIGN**

**PHYSICAL**

	ENGLISH		SI
Weight	0.35	oz	10.0
Connector [1]	Coaxial		Coaxial
Housing	Titanium		Titanium
	Titanium		Titanium
Isolation	Case Grounded		Case Grounded
Sensing Element	Ceramic		Ceramic
	Shear		Shear

**PERFORMANCE**

Sensitivity, ± 15% [2]	15	pC/g	1.53	pC/m/s <sup>2</sup>
Acceleration Range [3]	[3]	Gpeak	[3]	m/s <sup>2</sup> peak
Frequency Range	[5] 5000	Hz	[5] 5000	Hz
Resonance Frequency	32	kHz	32	kHz
Linearity [4]	±1	%	±1	%
Transverse Sensitivity Max	5	%	5	%

**ENVIRONMENTAL**

Shock Max	3000	g pk	29430	m/s <sup>2</sup>
Vibration Max	600	g pk	5886	m/s <sup>2</sup>
Operating Temperature	-60 to +375	°F	-51 to +190	°C
Seal	Hermetic		Hermetic	
Magnetic Sensitivity at 100 Gauss	0.00007	g/Gauss	0.0006867	m/s <sup>2</sup> /Gauss
Base Strain Sensitivity	0.05	g/με	0.4905	m/s <sup>2</sup> /με

**ELECTRICAL**

Capacitance, nom	975	pF	975	pF
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**This family also includes:**

Model	Sensitivity (pC/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)

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

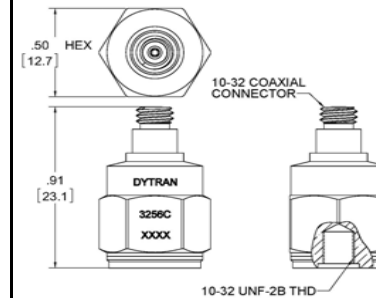
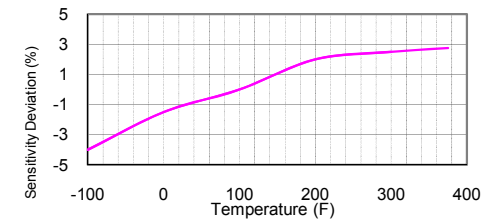
**Supplied Accessories:**

- 1) Model 6200 Mounting Stud
- 2) Accredited Calibration Certificate (ISO 17025)

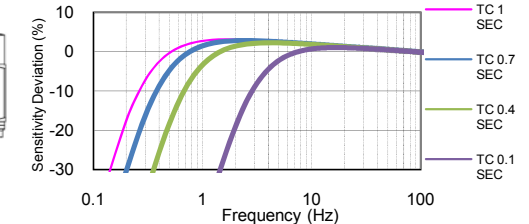
**Notes:**

- [1] Mates with Dytran cable Model 6013AXX or 6019AXX (XX= Length in feet).
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Depends On The Gain Setting Of The Charge Amplifier Used
- [4] Measured using zero-based best straight line method, % of F.S. or any lesser calibrated range.
- [5] Low Frequency Response Is the Function Of the Discharge Time Constant Of The Charge Amplifier Used. Please, Refer To The Plot Below For Frequency Response For Different Time Constants

TYPICAL SENSITIVITY RESPONSE OVER TEMPERATURE



TYPICAL LOW FREQUENCY RESPONSE



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055B1 for more



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