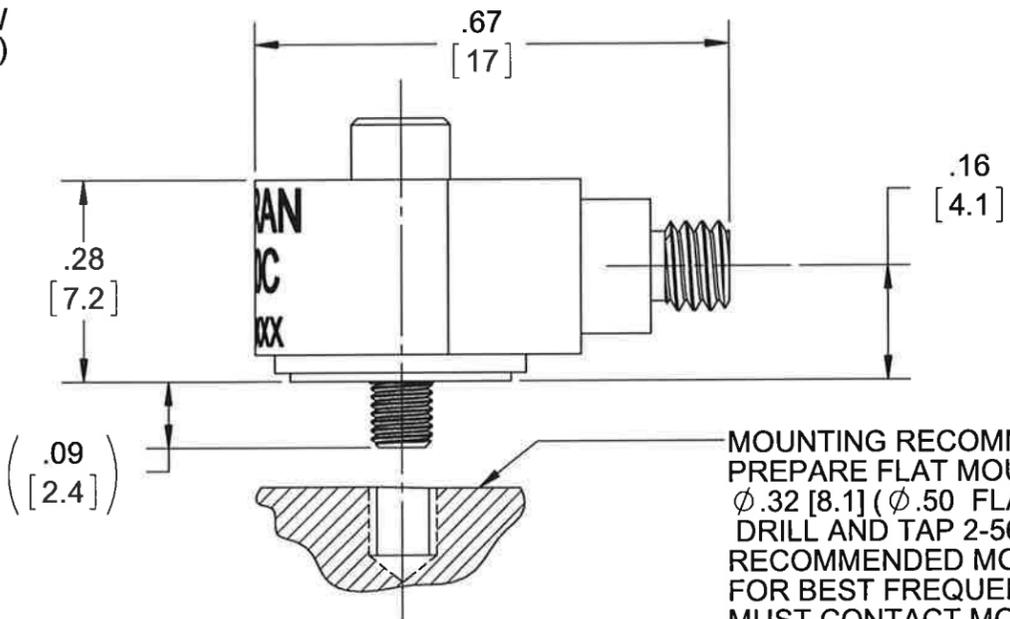
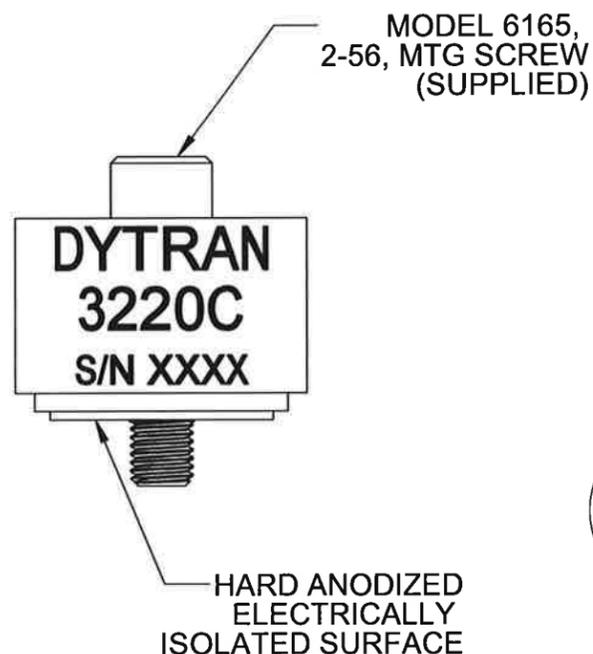
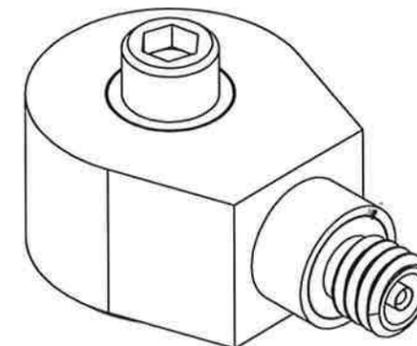
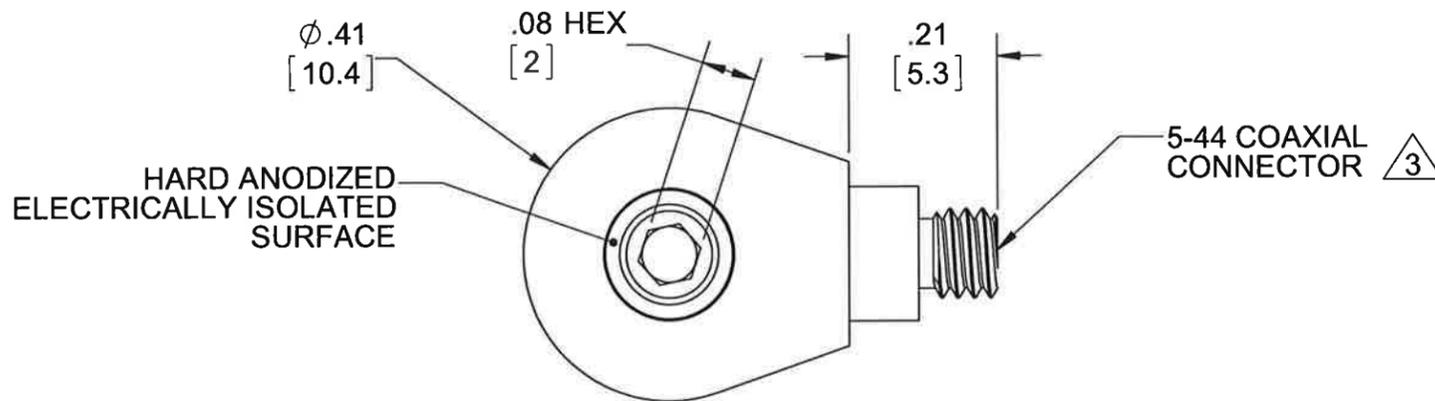


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11882	REVISED AND REDRAWN TO NEW FORMAT	LA 04/13/15	EM	LN



**MOUNTING RECOMMENDATIONS:**  
 PREPARE FLAT MOUNTING SURFACE  
 $\phi .32$  [8.1] ( $\phi .50$  FLAT TO  $.001$ TIR.  
 DRILL AND TAP 2-56 UNC-2B  $\nabla .125$  [3.1] MIN.  
 RECOMMENDED MOUNTING TORQUE: 4 LB-IN MAX  
 FOR BEST FREQUENCY RESPONSE, ACCELEROMETER  
 MUST CONTACT MOUNTING SURFACE OVER ENTIRE  
 MOUNTING SURFACE OF ACCELEROMETER

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.  
 DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES  $\sqrt{63}$   
 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.

DECIMALS	METRIC	ANGLES
.XX $\pm .03$	.X $\pm 0.8$	$\pm 1^\circ$
.XXX $\pm .010$	.XX $\pm 0.25$	

APPROVALS		DATE
ORIG	NC	04/04/96
CHK	DZ	04/04/96
APP	NC	04/04/96

DO NOT SCALE DRAWING



TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3220C**

SIZE <b>B</b>	CAGE CODE <b>2W033</b>	DWG NO <b>127-3220C</b>	REV <b>A</b>
SCALE: 4:1		SHEET 1 OF 1	

- 3 MATES WITH DYTRAN CABLE 6025AXX.
  - 2. WEIGHT: 4.0 GRAMS MAX.
  - 1. MATERIAL: TITANIUM
- NOTES: UNLESS OTHERWISE SPECIFIED

<b>Model Number</b> 3220C	<b>PERFORMANCE SPECIFICATIONS</b>	<b>DOC NO</b> PS3220C
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**SINGLE AXIS CHARGE MODE ACCELEROMETER**

REV B, ECN 11882, 04/13/15



- HERMETICALLY SEALED
- EXCELLENT LINEARITY
- 5-44 CONNECTOR

**PHYSICAL**

Weight, Max.  
Connector [3]  
Mounting  
Material, Housing/Connector  
Sensing Element Material

ENGLISH		SI	
0.14	oz	4.0	grams
5-44		5-44	
2-56 Screw		2-56 Screw	
Titanium		Titanium	
LiNbO <sub>3</sub>		LiNbO <sub>3</sub>	

**PERFORMANCE**

Sensitivity, ±30% [1]  
Range F.S.  
Frequency Range, ± 15%  
Resonant Frequency  
Maximum Transverse sensitivity  
Capacitance  
Linearity

1.5	pC/g	0.15	pC/m/s <sup>2</sup>
±500	G's	±4905	m/s <sup>2</sup>
[4] to 10000	Hz	[4] to 10000	Hz
>35	kHz	>35	kHz
5	%	5	%
120	pF	120	pF
2	% FS	2	% FS

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
Seal

1000	G <sub>peak</sub>	9810	m/s <sup>2</sup> peak
2000	G <sub>peak</sub>	19620	m/s <sup>2</sup> peak
-60 to +500	°F	-51 to +260	°C
Hermetic		Hermetic	

**This family also includes:**

Model	Sensitivity (pC/g)	Frequency Response (Hz)	Operating Temp (°F)
3220C1	10 ± 14%	[4] to 10000	-60 to +500

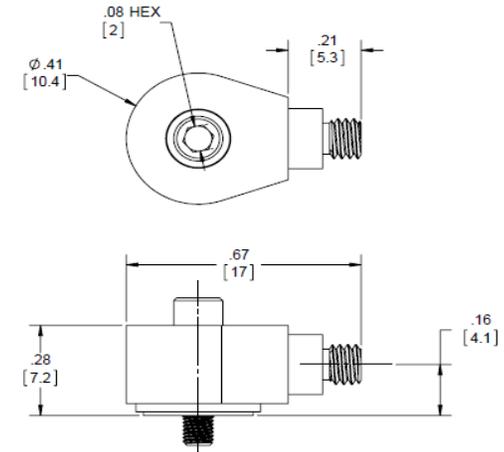
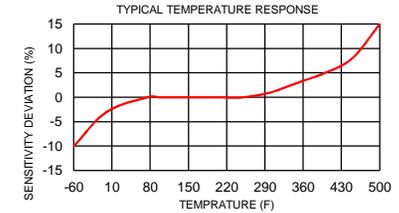
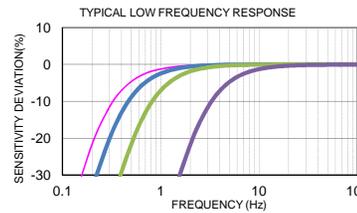
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting screw, Model 6165 supplied

**Notes:**

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Mates with Dytran cable 6029AXX or 6040AXX.
- [4] Low frequency response and phase response is a function of charge amplifier. See graph below for example.
- [5] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3220C for more information.



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