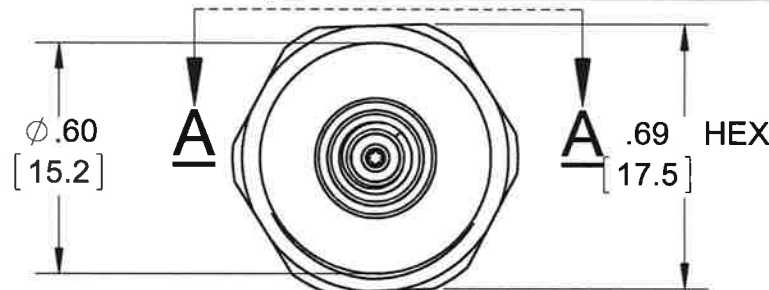
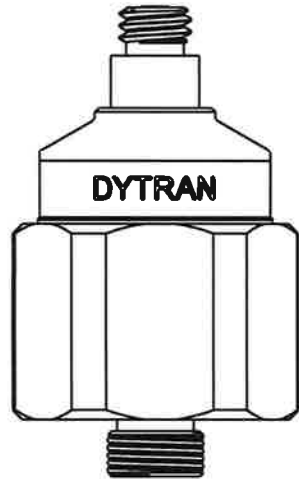


PROPRIETARY AND CONFIDENTIAL

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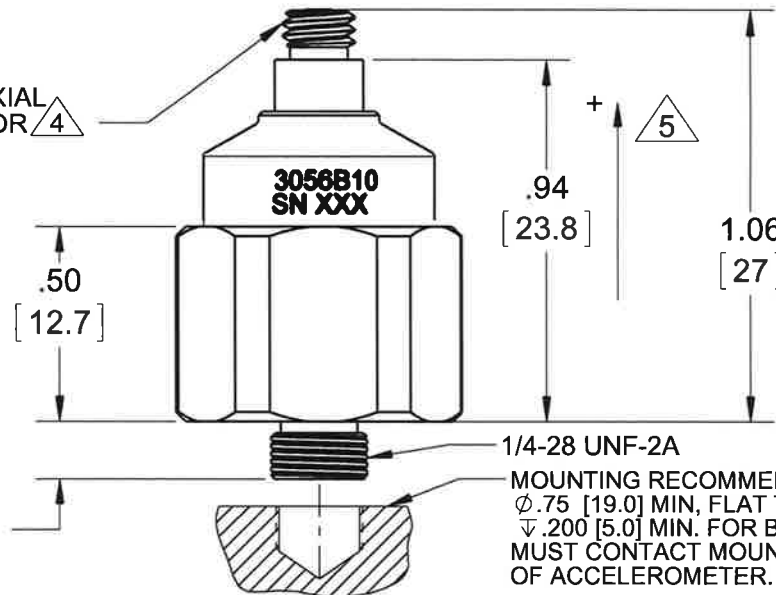
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10000	INITIAL RELEASE	JS 05/11/15	En	JD



SECTION A-A
ROTATED 180°

10-32 COAXIAL CONNECTOR ⁴



⁵ ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

⁴ MATES WITH DYTRAN CABLE 6010AXX & 6011AXX.

3. WEIGHT: 16 GRAMS, MAX.

2. SENSITIVITY: 10mV/g

1. HOUSING AND CONNECTOR MATERIAL: TITANIUM.

NOTES: UNLESS OTHERWISE SPECIFIED

1/4-28 UNF-2A

MOUNTING RECOMMENDATIONS: PREPARE FLAT MOUNTING SURFACE $\phi .75$ [19.0] MIN, FLAT TO .001TIR. DRILL AND TAP 1/4-28 UNF-2B $\nabla .200$ [5.0] MIN. FOR BEST FREQUENCY RESPONSE, ACCELEROMETER MUST CONTACT MOUNTING SURFACE OVER ENTIRE MOUNTING SURFACE OF ACCELEROMETER.

CONTRACT NO.



TITLE:

**OUTLINE/INSTALLATION
DRAWING 3056B10**

APPROVALS		DATE
ORIG	JS	04/01/15
CHK	En	5/11/15
APP	JD	5/21/15
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3056B10	A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS []
ARE IN MILLIMETERS
TOLERANCES ARE:
INCHES METRIC ANGLES
XX $\pm .03$ X ± 0.8 $\pm 1^\circ$
.XXX $\pm .010$ XX ± 0.25

MATERIAL
FINISH
DO NOT SCALE DRAWING

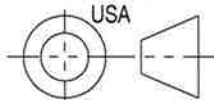
UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER
ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS
90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR
MIN FULL THDS.
THDS PER MIL-S-7742.
DIMENSIONS APPLY AFTER FINISHING.

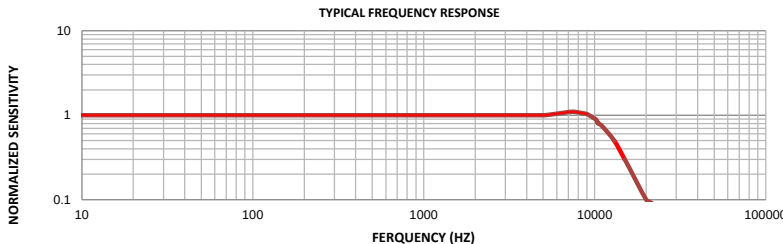
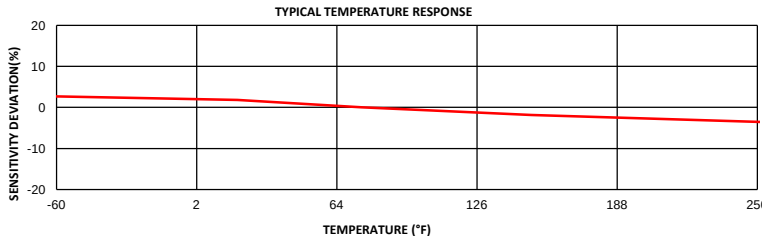
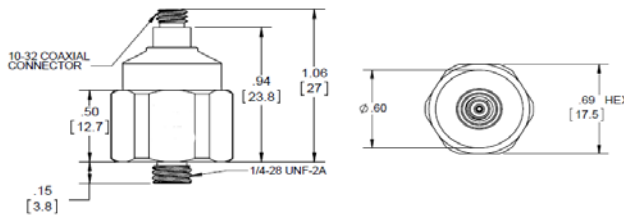
ALL MACHINED SURFACES ⁶³
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

USED ON NEXT ASSY

APPLICATION

THIRD ANGLE PROJECTION



MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																																
3056B10						PS3056B10																																
		ACCELEROMETER, IEPE, SINGLE AXIS				REV A, ECN 10000, 05/11/15																																
		• RUGGED, LIGHTWEIGHT • MECHANICALLY AND ELECTRICALLY FILTERED • INTEGRAL STUD MOUNT • CASE ISOLATED • HERMETICALLY SEALED				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Oper. Temp(*F)</th><th>Cable Length (FT)</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>		Model	Sensitivity (mV/g)	Range (Gpeak)	Oper. Temp(*F)	Cable Length (FT)																										
Model	Sensitivity (mV/g)	Range (Gpeak)	Oper. Temp(*F)	Cable Length (FT)																																		
Refer to the performance specifications of the products in this family for detailed description.																																						
Supplied Accessories: 1) Accredited Calibration Certificate (ISO 17025)																																						
Notes: [1] Measured at 100 Hz, 1 G rms per ISA RP 37.2. [2] Measured using zero-based best straight-line method, % of F.S. or any lesser range. [3] Do not apply power to this device without current limiting, 20 mA, MAX. To do so will destroy the integral IC amplifier. [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.																																						
PHYSICAL Weight, Max Housing Connector Mounting		<table><tr><th>ENGLISH</th><th></th><th>SI</th></tr><tr><td>0.6 oz</td><td></td><td>16 grams</td></tr><tr><td>Titanium</td><td></td><td>Titanium</td></tr><tr><td>Base Isolated</td><td></td><td>Base Isolated</td></tr><tr><td>10-32</td><td></td><td>10-32</td></tr><tr><td>1/4-28</td><td></td><td>1/4-28</td></tr></table>	ENGLISH		SI	0.6 oz		16 grams	Titanium		Titanium	Base Isolated		Base Isolated	10-32		10-32	1/4-28		1/4-28																		
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PERFORMANCE Sensitivity +/- 5% [1] Range F.S. For ± 5 Volts Output Frequency Range, ± 15% Resonant Frequency Mechanical Filter Resonance Linearity [2] Transverse Sensitivity, Max. Broad Band Resolution		<table><tr><td>10 mV/g</td><td></td><td>1.02 mV/ m/s²</td></tr><tr><td>500 g pk</td><td></td><td>m/s² pk</td></tr><tr><td>1 to 10000 Hz</td><td></td><td>1 to 10000 Hz</td></tr><tr><td>> 25 kHz</td><td></td><td>> 25 kHz</td></tr><tr><td>> 13 kHz</td><td></td><td>> 13 kHz</td></tr><tr><td>± 1 %F.S</td><td></td><td>± 1 %F.S</td></tr><tr><td>5%</td><td></td><td>5%</td></tr><tr><td>0.007 g/sqr(Hz)</td><td></td><td>m/s²/sqr(Hz)</td></tr></table>	10 mV/g		1.02 mV/ m/s ²	500 g pk		m/s ² pk	1 to 10000 Hz		1 to 10000 Hz	> 25 kHz		> 25 kHz	> 13 kHz		> 13 kHz	± 1 %F.S		± 1 %F.S	5%		5%	0.007 g/sqr(Hz)		m/s ² /sqr(Hz)												
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ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range (Operational) Seal Base Strain Sensitivity Magnetic sensitivity, Typ		<table><tr><td>500 ±gpk</td><td></td><td>4905 ± m/s² pk</td></tr><tr><td>5000 ±gpk</td><td></td><td>± m/s² pk</td></tr><tr><td>-60 to 250 °F</td><td></td><td>-51 to 121 °C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td></tr><tr><td>0.04 g/µε</td><td></td><td>m/s² / µε</td></tr><tr><td>0.00007 g/Gauss</td><td></td><td>m/s²/Gauss</td></tr></table>	500 ±gpk		4905 ± m/s ² pk	5000 ±gpk		± m/s ² pk	-60 to 250 °F		-51 to 121 °C	Hermetic		Hermetic	0.04 g/µε		m/s ² / µε	0.00007 g/Gauss		m/s ² /Gauss																		
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ELECTRICAL Supply Current [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Warm - up Time Overload Recovery Sensitivity Change Vs.Current Electrical Isolation, Min Electrical Filter Corner Frequency (2 pole)		<table><tr><td>2 to 10 mA</td><td></td><td>2 to 10 mA</td></tr><tr><td>18 to 30 VDC</td><td></td><td>VDC</td></tr><tr><td>100 Ω</td><td></td><td>Ω</td></tr><tr><td>7.5 to 9.5 VDC</td><td></td><td>VDC</td></tr><tr><td>0.5 to 2.0 sec</td><td></td><td>sec</td></tr><tr><td>1 sec</td><td></td><td>sec</td></tr><tr><td><10 µsec</td><td></td><td>µsec</td></tr><tr><td><1 %</td><td></td><td>%</td></tr><tr><td>10 GΩ</td><td></td><td>GΩ</td></tr><tr><td>10 kHz</td><td></td><td>kHz</td></tr></table>	2 to 10 mA		2 to 10 mA	18 to 30 VDC		VDC	100 Ω		Ω	7.5 to 9.5 VDC		VDC	0.5 to 2.0 sec		sec	1 sec		sec	<10 µsec		µsec	<1 %		%	10 GΩ		GΩ	10 kHz		kHz						
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		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3056B10 for more information.																																				



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