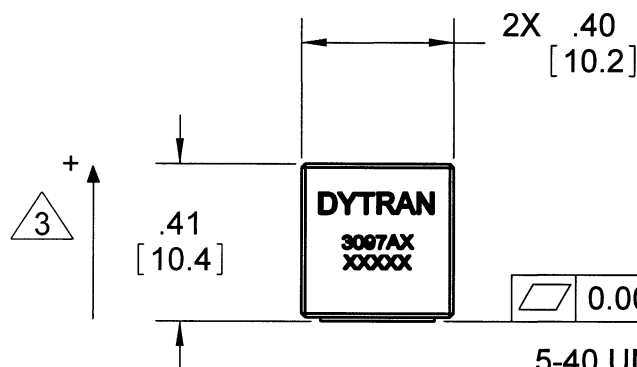


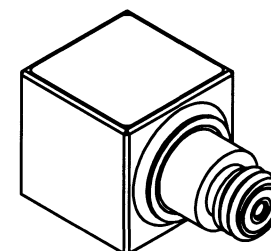
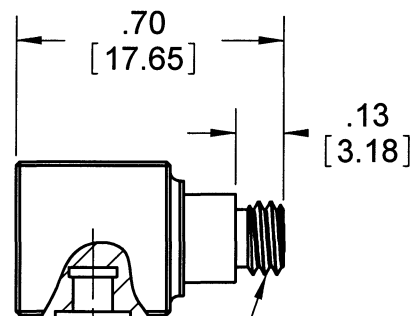
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	5902	IS: 6580 WAS: 6728	RA, 04/03/09	De	As

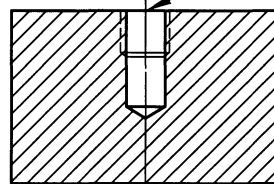


5-40 UNC-2B
 $\nabla .14$
 $\square \phi .22$
 $\nabla .02$



10-32 COAXIAL CONNECTOR

RECOMMENDED MOUNTING PREPARATION
 TAP 5-40 X .140 MIN DEEP. ASSURE THE SURFACE FLATNESS BETTER THAN .0001 TIR. USE SILICON GREASE FOR BETTER COUPLING. MOUNTING TORQUE: 6-8 LB-IN.



2

5. HOUSING/CONNECTOR MATERIAL: TITANIUM

4. WEIGHT: 4.3 GMS

3 ARROW DESIGNATES UNIT'S POLARITY

2 MOUNTING STUD 6580 (5-40 TO 5-40) SUPPLIED

1. DELETED

NOTES: UNLESS OTHERWISE SPECIFIED

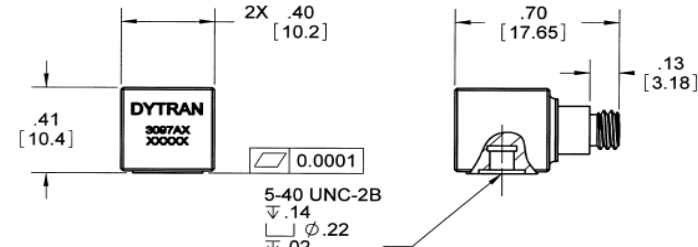
MODEL	SENSITIVITY
3097A3	500mV/g
3097A2	100mV/g
3097A1	10mV/g

3097A	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.
APPLICATION THIRD ANGLE PROJECTION USA	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. TOLERANCES ARE:	DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.

		MASTER ONLY IF IN RED	
TITLE: OUTLINE/ INSTALLATION DRAWING, 3097A SERIES			
SIZE A	CAGE CODE 2W033	DWG. NO. 127-3097A	REV C
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	

Model Number 3097A3		PERFORMANCE SPECIFICATIONS				DOC NO PS3097A3																
		IEPE ACCELEROMETER				REV E, ECN 13042, 10/28/16																
		• MINIATURE SIZE • HERMETICALLY SEALED • EXCELLENT LINEARITY		This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response $\pm 5\%$ (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp ($^{\circ}$F)</th></tr><tr><td>3097A1</td><td>10</td><td>0.3 to 5000</td><td>1.5 to 2.5</td><td>-60 to 200</td></tr><tr><td>3097A2</td><td>100</td><td>0.3 to 5000</td><td>1.5 to 2.5</td><td>-60 to 180</td></tr></table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6580 mounting stud (5-40 to 5-40), qty 1 Notes: [1] Coaxial, 10-32 connector. Mates with Dytran cable Model 6010AXX or 6011AXX [2] Measured at 100Hz, 1 Grms per ISA RP 37.2. [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [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.				Model	Sensitivity (mV/g)	Frequency Response $\pm 5\%$ (Hz)	Time Constant (Sec)	Operating Temp ($^{\circ}$ F)	3097A1	10	0.3 to 5000	1.5 to 2.5	-60 to 200	3097A2	100	0.3 to 5000	1.5 to 2.5	-60 to 180
Model	Sensitivity (mV/g)	Frequency Response $\pm 5\%$ (Hz)	Time Constant (Sec)	Operating Temp ($^{\circ}$ F)																		
3097A1	10	0.3 to 5000	1.5 to 2.5	-60 to 200																		
3097A2	100	0.3 to 5000	1.5 to 2.5	-60 to 180																		
PHYSICAL Weight Connector [1] Mounting Provision Material, Housing/Connector Sensing Element Element Style		ENGLISH oz 10-32 5-40 UNC-2B TITANIUM CERAMIC PLANAR SHEAR		SI grams 10-32 5-40 UNC-2B TITANIUM CERAMIC PLANAR SHEAR																		
PERFORMANCE Sensitivity, $\pm 5\%$ [2] Range for ± 5 Volts Output Frequency Response, $\pm 5\%$ $\pm 15\%$ Resonant Frequency Broad Band Resolution Spectral Noise 1Hz 10Hz 100Hz 1000Hz 10000HZ Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250$\mu\epsilon$ Phase Response $\pm 5^{\circ}$		mV/G G peak Hz Hz kHz G rms $\mu\text{grms}/\sqrt{\text{Hz}}$ $\mu\text{grms}/\sqrt{\text{Hz}}$ $\mu\text{grms}/\sqrt{\text{Hz}}$ $\mu\text{grms}/\sqrt{\text{Hz}}$ $\mu\text{grms}/\sqrt{\text{Hz}}$ % F.S. % G/$\mu\epsilon$ Hz		mV/m/s² m/s² Hz Hz kHz m/s² rms $\mu\text{m/s}^2$ rms/$\sqrt{\text{Hz}}$ $\mu\text{m/s}^2$ rms/$\sqrt{\text{Hz}}$ $\mu\text{m/s}^2$ rms/$\sqrt{\text{Hz}}$ $\mu\text{m/s}^2$ rms/$\sqrt{\text{Hz}}$ $\mu\text{m/s}^2$ rms/$\sqrt{\text{Hz}}$ % F.S. % m/s²/$\mu\epsilon$ Hz																		
ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range (<5% Sensitivity Deviation) Temperature Range Temperature Range (Storage) Seal		G peak G peak $^{\circ}$F $^{\circ}$F $^{\circ}$F HERMETIC		m/s² peak m/s² peak $^{\circ}$C $^{\circ}$C $^{\circ}$C HERMETIC																		
ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedance,Typ Bias Voltage Discharge Time Constant		mA Volts Ω VDC Sec		mA Volts Ω VDC Sec																		
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3097A for more information.																				



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