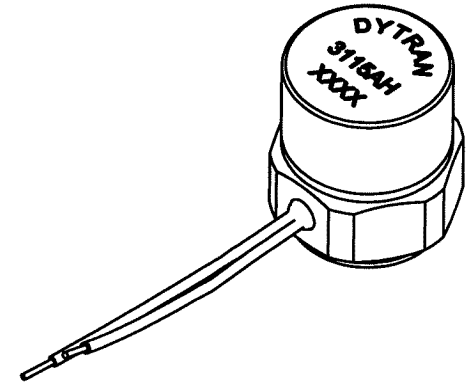
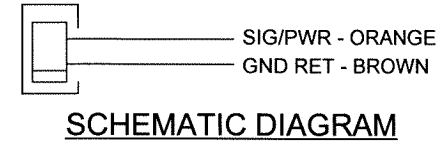
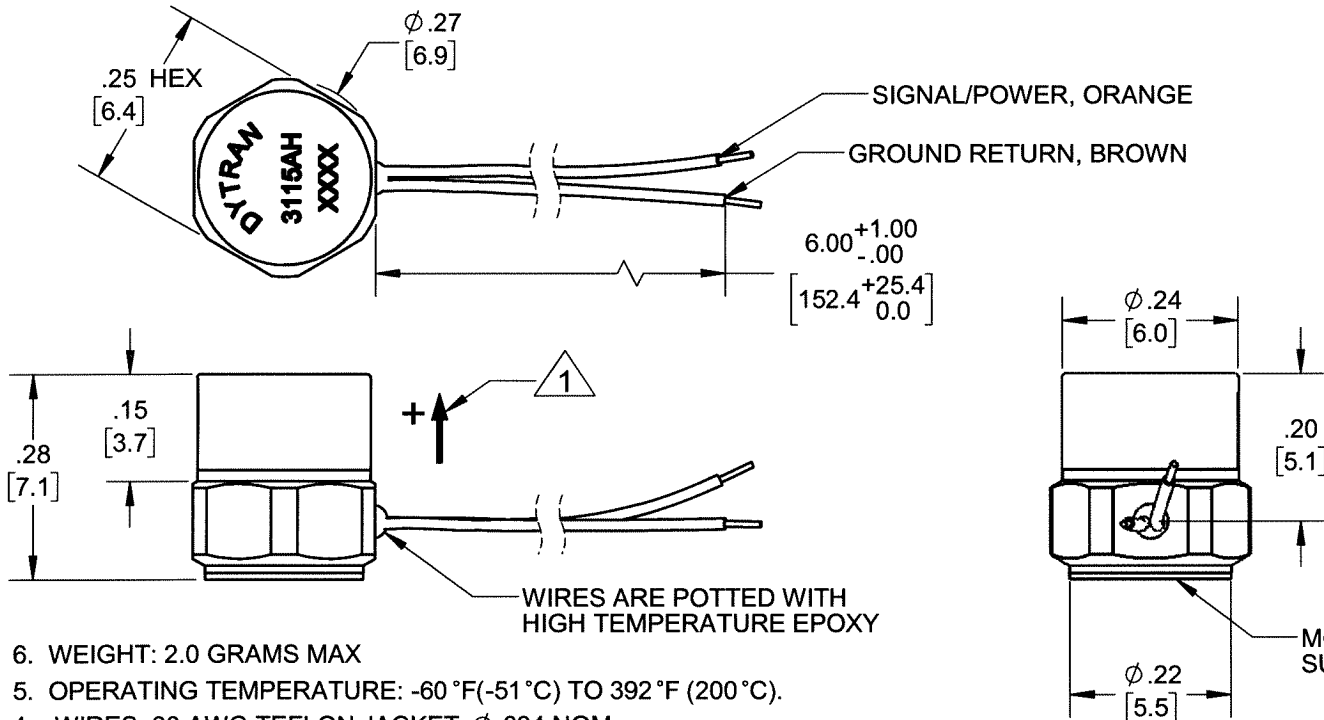


**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10604	INITIAL RELEASE, SAME AS X2	RA 03/19/19	KG	EM



6. WEIGHT: 2.0 GRAMS MAX
5. OPERATING TEMPERATURE: -60 °F(-51 °C) TO 392 °F (200 °C).
4. WIRES: 30 AWG TEFLON JACKET  $\phi$ .024 NOM.
3. MATERIAL: 300 SERIES STAINLESS STEEL
2. SENSITIVITY: 10mV/G

1 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT

NOTES: UNLESS OTHERWISE SPECIFIED

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.	
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	03/19/19
CHK KG	03/19/19
APP	
APP EM	3/19/19

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

ONLY IF IN RED

TITLE: **OUTLINE/INSTALLTION DWG, HI-TEMP ACCEL, MODEL 3115AH**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3115AH</b>	REV <b>A</b>
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

	<b>MINIATURE IEPE ACCELEROMETER</b>	REV A , ECN 10604, 03/13/19
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- **MINIATURE SIZE**
- **HIGH TEMPERATURE RANGE (+200°C)**
- **QUARTZ SENSING ELEMENT**

**PHYSICAL**  
 Weight, Max  
 Electrical connection  
 Mounting Provision  
 Material  
 Sensing Material

Integral wires

ENGLISH		SI
0.07	oz	2.0
Pigtails		Pigtails
Adhesive Mount		Adhesive Mount
300 Series S.S.		300 Series S.S.
Quartz		Quartz

**PERFORMANCE**  
 Sensitivity, ±30% [1]  
 Range F.S for ± 5 Volts Output  
 Frequency Response, ±3dB  
 Resonant Frequency  
 Equivalent Electrical Noise Floor, Max  
 Linearity [2]  
 Maximum Transverse sensitivity

10	mV/g	1	mV/m/s <sup>2</sup>
±500	g	±4905	m/s <sup>2</sup>
25 to 10000	Hz	25 to 10000	Hz
>40	kHz	>40	kHz
0.02	Grms	0.196	m/s <sup>2</sup> rms
± 2	%	± 2	%
5	%	5	%

**ENVIRONMENTAL**  
 Maximum Vibration  
 Maximum Shock  
 Temperature Range  
 Seal

± 1000	Gpeak	± 9810	m/s <sup>2</sup> peak
±1500	Gpeak	± 14715	m/s <sup>2</sup> peak
-60 to +392	°F	-51 to +200	°C
Epoxy		Epoxy	

**ELECTRICAL**  
 Supply Current Range [3]  
 Compliance Voltage Range  
 Output Impedance, Nom  
 Bias Voltage, (Room Temp.)  
 Bias Voltage, (200°C/ 392°F)  
 Discharge Time Constant, Min.

2.0 to 20	mA	2.0 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+7.5 to +9.5	VDC	+7.5 to +9.5	VDC
+5.5 to +12.5	VDC	+5.5 to +12.5	VDC
0.02	Sec	0.02	Sec

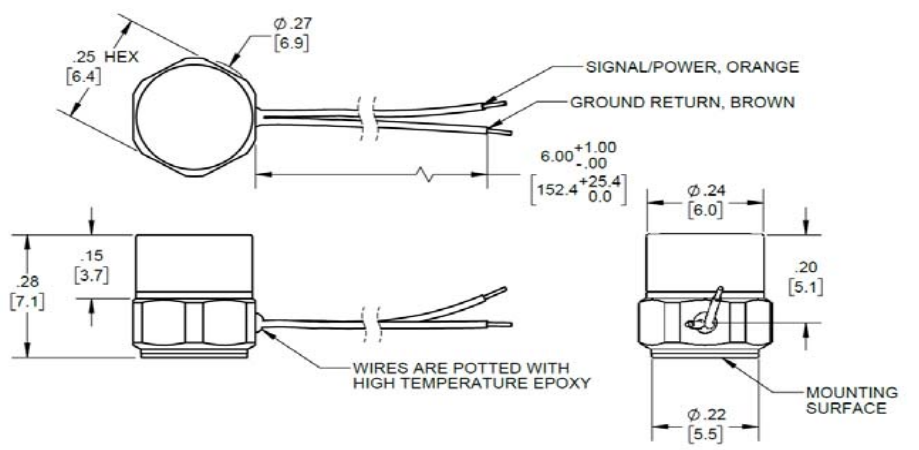
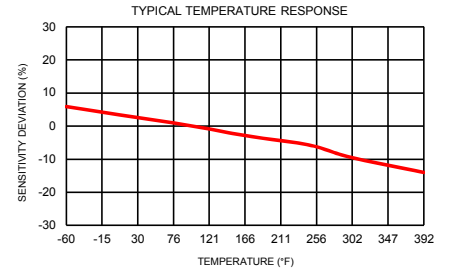
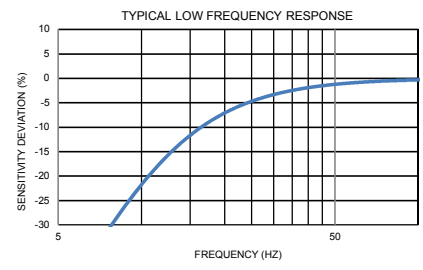
**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

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 1000Hz, 1 Grms 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 system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
  - [4] In the Interest of constant product improvement, we reserve the right to change specifications without notice.
- It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3115AH for more information.

