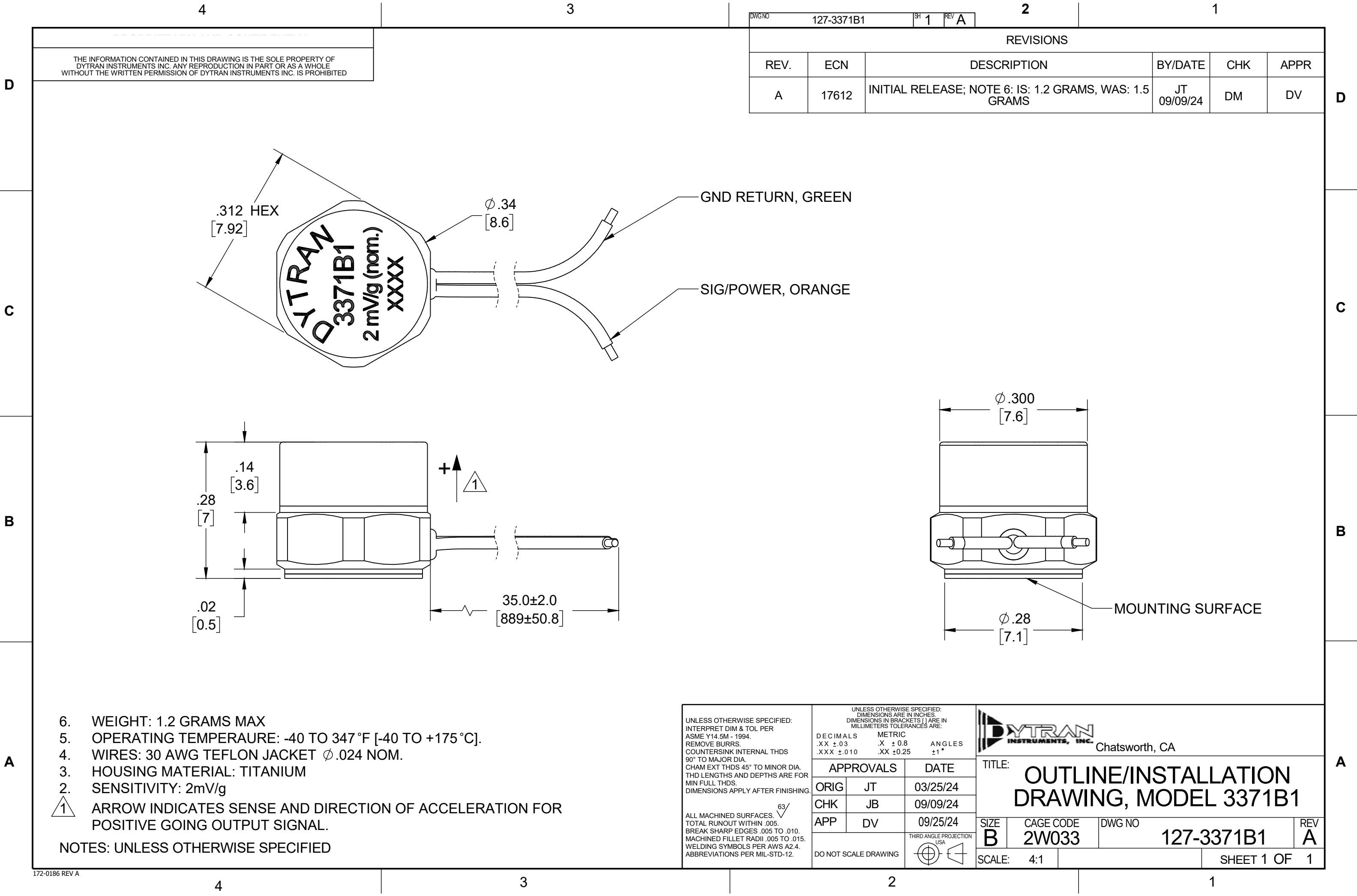




6. WEIGHT: 1.2 GRAMS MAX
5. OPERATING TEMPERAURE: -40 TO 347 °F [-40 TO +175 °C].
4. WIRES: 30 AWG TEFLON JACKET ϕ .024 NOM.
3. HOUSING MATERIAL: TITANIUM
2. SENSITIVITY: 2mV/g
1. ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

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.
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.

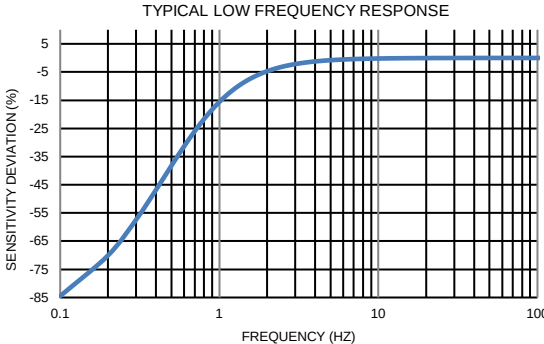
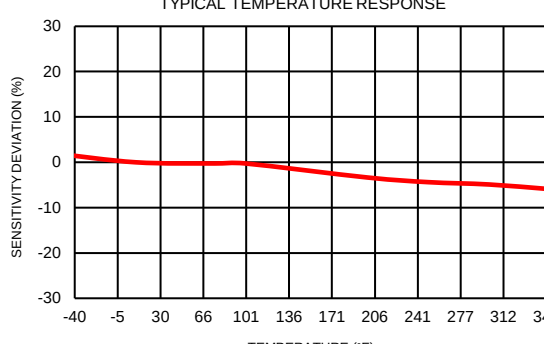
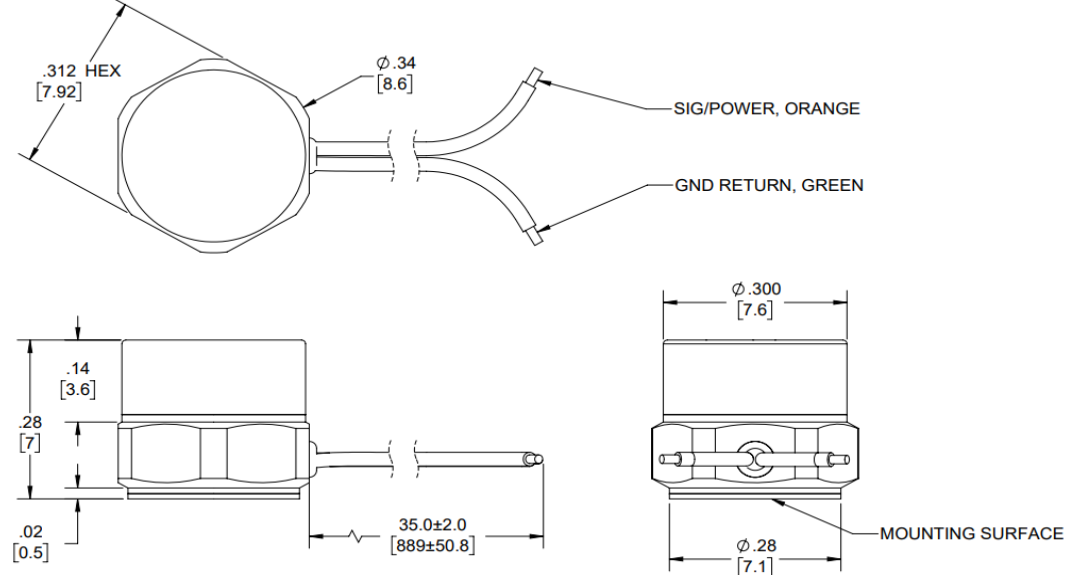
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	° ±1°
.XXX ±.010	.XX ±0.25	
APPROVALS		DATE
ORIG	JT	03/25/24
CHK	JB	09/09/24
APP	DV	09/25/24
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 3371B1**

SIZE B	CAGE CODE 2W033	DWG NO 127-3371B1	REV A
SCALE: 4:1		SHEET 1 OF 1	

Model Number 3371B1		PERFORMANCE SPECIFICATION			DOC NO PS3371B1
		MINIATURE IEPE ACCELEROMETER			REV A, ECN17612, 09/19/24
		• HIGH TEMPERATURE • LOW BIAS VOLTAGE • FLYING LEADS • EXCELLENT LINEARITY			
PHYSICAL		ENGLISH		SI	
Weight, Max		0.04	oz	1.2	grams
Electrical connection	Integral wires	Flying leads, 30 AWG		Flying leads, 30 AWG	
Mounting Provision		Adhesive Mount		Adhesive Mount	
Material (Housing and Base)		Titanium		Titanium	
Sensing Material	Material	Quartz		Quartz	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity, ±10%		2.0	mV/g	0.20	mV/m/s ²
Range F.S for ± 1 Volts Output		±500	g	±4905	m/s ²
Frequency Response	±5%	0.64 to 3,000	Hz	0.64 to 3,000	Hz
	±15%	0.64 to 10,000	Hz	0.64 to 10,000	Hz
Resonant Frequency		>40	kHz	>40	kHz
Equivalent Electrical Noise Floor, Max		0.012	g RMS	0.118	m/s ² RMS
Linearity [2]		± 1	%	± 1	%
Maximum Transverse sensitivity		5	%	5	%
Strain Sensitivity @ 250 µε		0.002	g/µε	0.02	m/s ² /µε
ENVIRONMENTAL					
Maximum Shock		±5000	g pk	± 49050	m/s ² pk
Temperature Range		-40 to +347	°F	-40 to +175	°C
Thermal Coefficient of Sensitivity		0.028	%/°F	0.016	%/°C
Seal		Epoxy/Welded		Epoxy/Welded	
ELECTRICAL					
Supply Current Range [4]		3 to 5	mA	3 to 5	mA
Compliance Voltage Range		4 to 5	Volts	4 to 5	Volts
Output Impedance, Nom		100	Ω	100	Ω
Bias Voltage		+1.7 to +3.4	VDC	+1.7 to +3.4	VDC
Discharge Time Constant, Min.		0.25 to 0.80	Sec	0.25 to 0.80	Sec
Output Signal Polarity for Acceleration Towards Top		Positive		Positive	
		This family also includes:			
		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)
		Refer to the performance specifications of the products in this family for detailed description.			
		Supplied Accessories:			
		1) Accredited calibration certificate (ISO 17025)			
		Notes:			
		[1] All specifications are at room temperature unless otherwise specified.			
		[2] Measured using zero-based best straight line method, % of F.S or any lesser range.			
		[3] Adhesive used in installation may affect upper frequency response.			
		[4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.			
		[5] 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 127-3371B1 for more information.			

