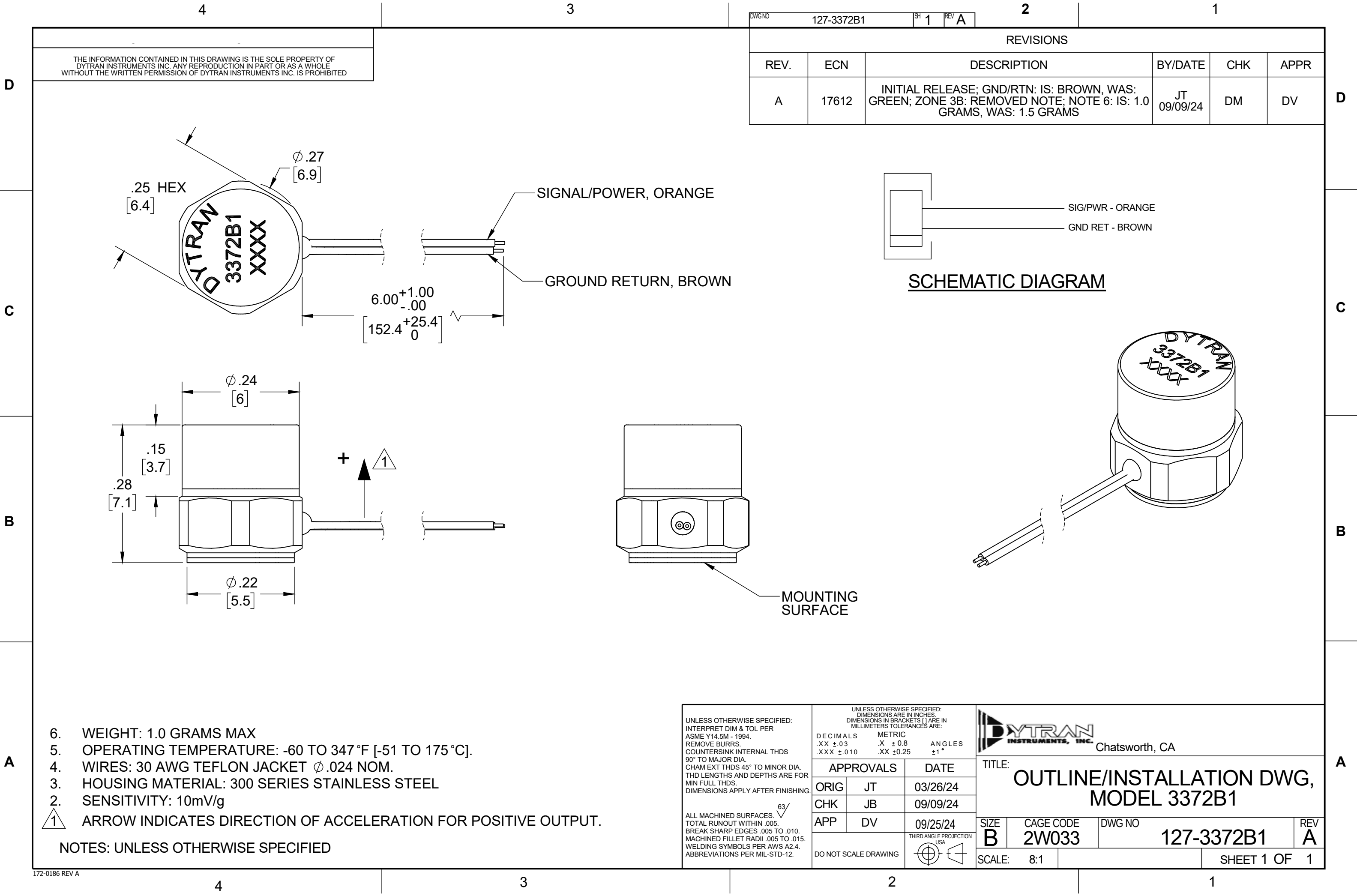
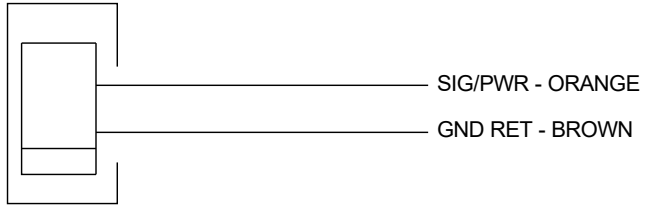


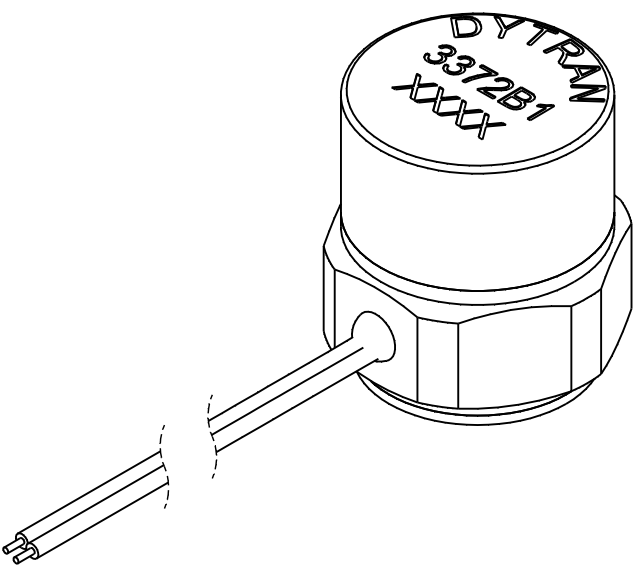


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DWGNO		127-3372B1		SH	1	REV	A	2		1	
REVISIONS											
REV.	ECN	DESCRIPTION						BY/DATE	CHK	APPR	
A	17612	INITIAL RELEASE; GND/RTN: IS: BROWN, WAS: GREEN; ZONE 3B: REMOVED NOTE; NOTE 6: IS: 1.0 GRAMS, WAS: 1.5 GRAMS						JT 09/09/24	DM	DV	



SCHEMATIC DIAGRAM

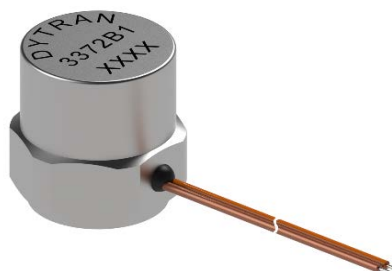


MOUNTING SURFACE

- 6. WEIGHT: 1.0 GRAMS MAX
- 5. OPERATING TEMPERATURE: -60 TO 347 °F [-51 TO 175 °C].
- 4. WIRES: 30 AWG TEFLON JACKET ϕ .024 NOM.
- 3. HOUSING MATERIAL: 300 SERIES STAINLESS STEEL
- 2. SENSITIVITY: 10mV/g
- 1. ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

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 ±.08 ±1° .XXX ±.010 .XX ±0.25			 Chatsworth, CA			
	APPROVALS		DATE		TITLE: OUTLINE/INSTALLATION DWG, MODEL 3372B1 SIZE B CAGE CODE 2W033 DWG NO 127-3372B1 REV A		
	ORIG	JT	03/26/24				
	CHK	JB	09/09/24				
	APP	DV	09/25/24				
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA 		SCALE: 8:1		SHEET 1 OF 1	

Model Number 3372B1		PERFORMANCE SPECIFICATION				DOC NO PS3372B1	
		MINIATURE IEPE ACCELEROMETER				REV A, ECN17612, 09/19/24	
 • MINIATURE SIZE • HIGH TEMPERATURE RANGE • QUARTZ SENSING ELEMENT							
		ENGLISH		SI			
PHYSICAL							
Weight, Max		0.04	oz	1.0	grams		
Electrical connection	Integral wires	Flying leads, 30 AWG		Flying leads, 30 AWG			
Mounting Provision		Adhesive Mount		Adhesive Mount			
Material (Housing and Base)		300 Series S.S.		300 Series S.S.			
Sensing Material	Material	Quartz		Quartz			
	Mode	Shear		Shear			
PERFORMANCE							
Sensitivity, ±15%		10.0	mV/g	1.0	mV/m/s ²		
Range F.S for ± 1 Volts Output		±500	g	±4905	m/s ²		
Frequency Response	±5%	0.66 to 5,000	Hz	0.66 to 5,000	Hz		
	±10%	0.66 to 10,000	Hz	0.66 to 10,000	Hz		
Resonant Frequency		>40	kHz	>40	kHz		
Equivalent Electrical Noise Floor, Max		0.007	g RMS	0.07	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		±1500	g pk	± 14715	m/s ² pk		
Temperature Range		-60 to +347	°F	-51 to +175	°C		
Thermal Coefficient of Sensitivity		0.03	%/°F	0.017	%/°C		
Seal		Epoxy/Welded		Epoxy/Welded			
ELECTRICAL							
Supply Current Range [4]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+20 to +30	Volts	+20 to +30	Volts		
Output Impedance, Nom		100	Ω	100	Ω		
Bias Voltage		+9 to +11	VDC	+9 to +11	VDC		
Discharge Time Constant, Min.		.35 to 1.2	Sec	.35 to 1.2	Sec		
Output Signal Polarity for Acceleration Towards Top		Positive		Positive			

