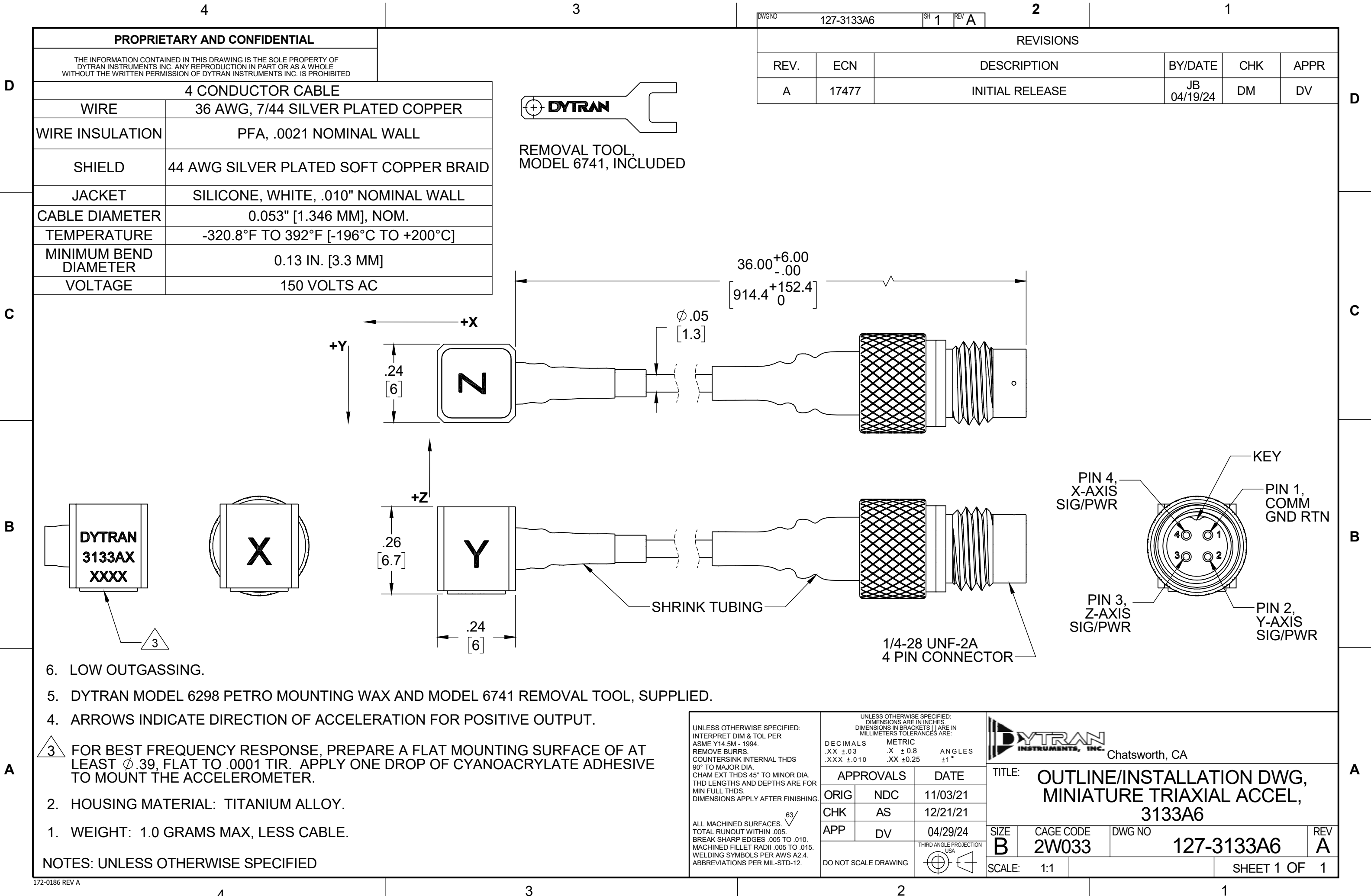
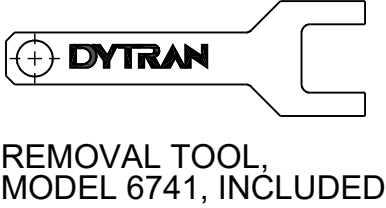




PROPRIETARY AND CONFIDENTIAL

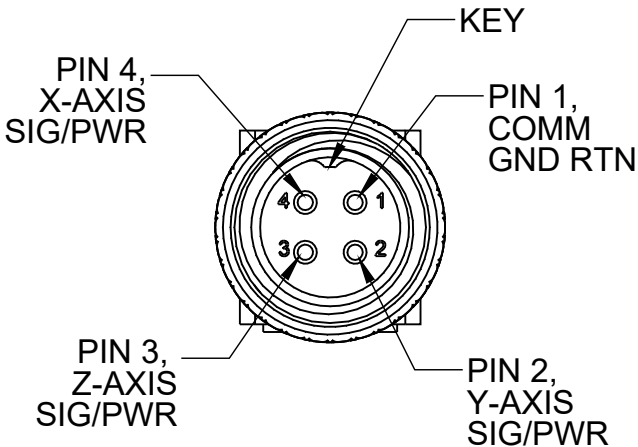
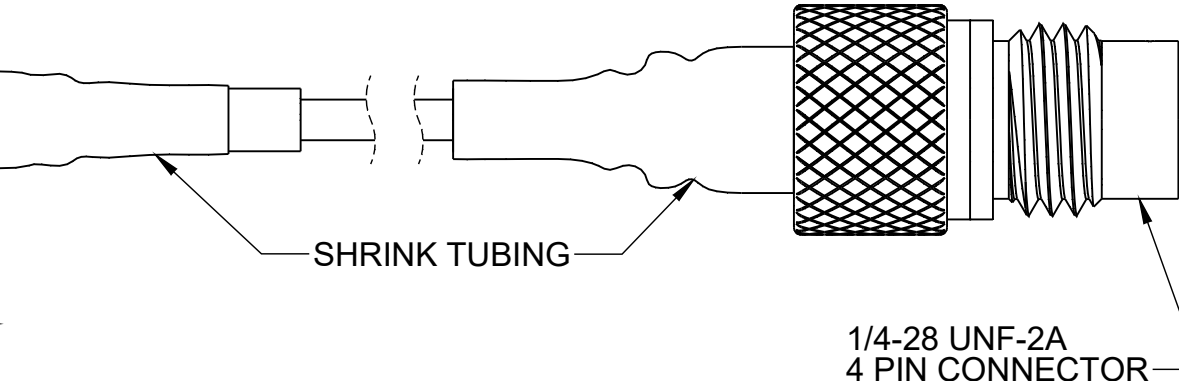
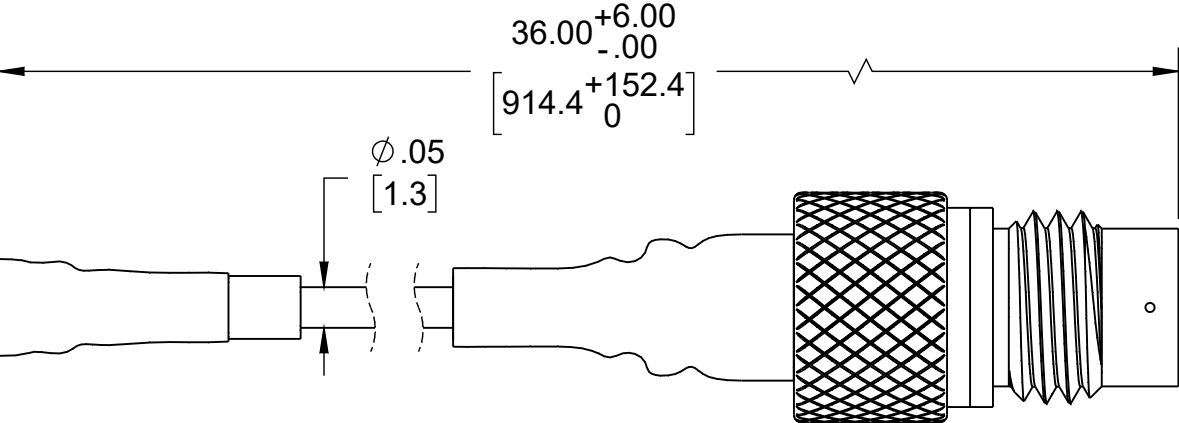
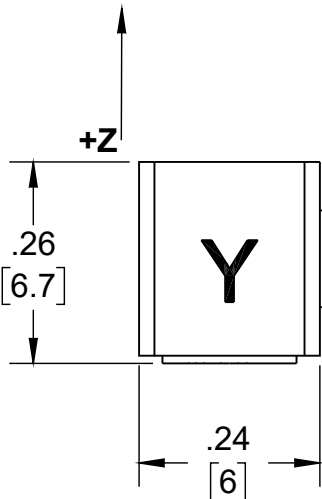
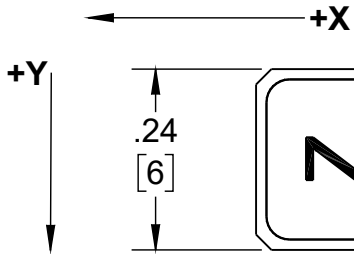
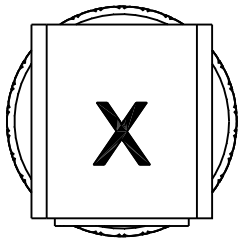
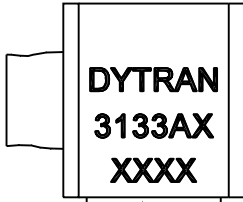
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4 CONDUCTOR CABLE	
WIRE	36 AWG, 7/44 SILVER PLATED COPPER
WIRE INSULATION	PFA, .0021 NOMINAL WALL
SHIELD	44 AWG SILVER PLATED SOFT COPPER BRAID
JACKET	SILICONE, WHITE, .010" NOMINAL WALL
CABLE DIAMETER	0.053" [1.346 MM], NOM.
TEMPERATURE	-320.8°F TO 392°F [-196°C TO +200°C]
MINIMUM BEND DIAMETER	0.13 IN. [3.3 MM]
VOLTAGE	150 VOLTS AC



REMOVAL TOOL,
MODEL 6741, INCLUDED

DWGNO		127-3133A6	SH	1	REV	A	2	1
REVISIONS								
REV.	ECN	DESCRIPTION				BY/DATE	CHK	APPR
A	17477	INITIAL RELEASE				JB 04/19/24	DM	DV



6. LOW OUTGASSING.
5. DYTRAN MODEL 6298 PETRO MOUNTING WAX AND MODEL 6741 REMOVAL TOOL, SUPPLIED.
4. ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

3. FOR BEST FREQUENCY RESPONSE, PREPARE A FLAT MOUNTING SURFACE OF AT LEAST $\phi .39$, FLAT TO .0001 TIR. APPLY ONE DROP OF CYANOACRYLATE ADHESIVE TO MOUNT THE ACCELEROMETER.

2. HOUSING MATERIAL: TITANIUM ALLOY.
1. WEIGHT: 1.0 GRAMS MAX, LESS CABLE.

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	ANGLES ±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	NDC	11/03/21
CHK	AS	12/21/21
APP	DV	04/29/24

DO NOT SCALE DRAWING

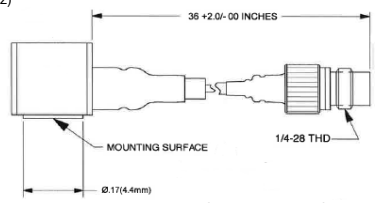
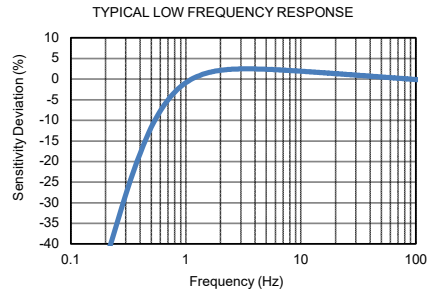
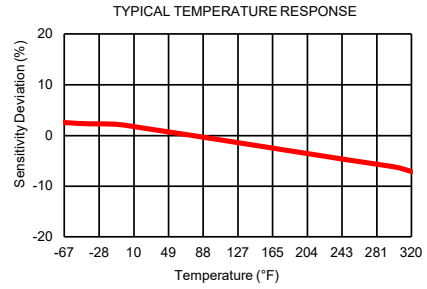
THIRD ANGLE PROJECTION
USA



TITLE: **OUTLINE/INSTALLATION DWG,
MINIATURE TRIAXIAL ACCEL,
3133A6**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3133A6	A

SCALE: 1:1 SHEET 1 OF 1

Model Number		PERFORMANCE SPECIFICATION				DOC NO PS3133A6																															
3133A6		Accelerometer, Triaxial, IEPE				REV A, ECN 17477, 04/22/24																															
		• ULTRA MINIATURE SIZE • IDEAL LOW FREQUENCY RESPONSE				This family also includes:																															
		ENGLISH		SI		<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g pk)</th><th>Resolution (g RMS)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td>3133A1</td><td>10</td><td>500</td><td>0.02</td><td>-67 to 320</td><td>1.0 to 2.5</td></tr><tr><td>3133A2</td><td>2</td><td>2500</td><td>0.15</td><td>-67 to 320</td><td>0.3 to 2.5</td></tr><tr><td>3133A3</td><td>5</td><td>1000</td><td>0.06</td><td>-67 to 320</td><td>1.0 to 2.5</td></tr><tr><td>3133A5</td><td>0.2</td><td>20000</td><td>0.35</td><td>-67 to 320</td><td>0.5 to 4.0</td></tr></table>		Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(°F)	TC	3133A1	10	500	0.02	-67 to 320	1.0 to 2.5	3133A2	2	2500	0.15	-67 to 320	0.3 to 2.5	3133A3	5	1000	0.06	-67 to 320	1.0 to 2.5	3133A5	0.2	20000	0.35	-67 to 320	0.5 to 4.0
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PHYSICAL																																					
Weight		0.04	oz	1.0	grams																																
Size	Width	0.24	inch	6.1	mm																																
	Height	0.24	inch	6.1	mm																																
Mounting		Adhesive		Adhesive																																	
Integral Cable	Length	3	ft	914	mm																																
	Type	TFE		TFE																																	
Connector	Type	4-pin		4-pin																																	
Housing	Material	Titanium		Titanium																																	
	Isolation	Case Ground		Case Ground																																	
Sensing Element	Material	Quartz		Quartz																																	
	Mode	Shear		Shear																																	
PERFORMANCE																																					
Sensitivity [1], [2], ± 25%		0.7	mV/g	0.07	mV/m/s ²																																
Acceleration Range		5000	g pk	49050	m/s ² pk																																
Frequency Range, ±5%		0.71 to 6000	Hz	0.71 to 6000	Hz																																
Frequency Range, ±10%		0.54 to 10000	Hz	0.54 to 10000	Hz																																
Linearity [4]		± 1	% F.S.	± 1	% F.S.																																
Resonance Frequency		>20	kHz	>20	kHz																																
Transverse Sensitivity		6	%	6	%																																
Bias Voltage		+7 to +9	VDC	+7 to +9	VDC																																
Output Impedance		100	Ω	100	Ω																																
Noise floor		0.15	Grms	1.47	m/s ² rms																																
Discharge Time Constant		0.5 to 2.5	seconds	0.5 to 2.5	seconds																																
Spectral Noise	1Hz	4000	µg RMS/√(Hz)	39240	µm/s ² RMS/√(Hz)																																
	10Hz	2000	µg RMS/√(Hz)	19620	µm/s ² RMS/√(Hz)																																
	100Hz	500	µg RMS/√(Hz)	4905	µm/s ² RMS/√(Hz)																																
	1000Hz	200	µg RMS/√(Hz)	1962	µm/s ² RMS/√(Hz)																																
	10000Hz	90	µg RMS/√(Hz)	883	µm/s ² RMS/√(Hz)																																
ENVIRONMENTAL																																					
Shock		7000	g pk	68670	m/s ² pk																																
Operating Temperature		-67 to +320	°F	-55 to +160	°C																																
Seal		Epoxy		Epoxy																																	
Magnetic Sensitivity at 100 Gauss		0.00004	g/Gauss	0.00039	m/s ² /Gauss																																
Base Strain Sensitivity		0.15	g/µε	1.47	m/s ² /µε																																
POWER																																					
Compliance Voltage		+18 to +30	VDC	+18 to +30	VDC																																
Current Range		2 to 20	mA	2 to 20	mA																																
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3133A6 for more information.																															
																																					
																																					
																																					
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