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MODEL	SENSITIVITY (mV/g)
3133B4	.2
3133B5	.7
3133B6	2
3133B7	5
3133B8	10

REMOVAL TOOL, MODEL 6981, INCLUDED

DYTRAN 3133BX

S/N XXXX

3

3

+X

.30
[7.6]

N

+Y

+Z

.29
[7.3]

Y

7

CABLE, 4-CONDUCTOR, SHIELDED, WHITE JACKET. SEE TABLE FOR SPECIFICATIONS

36.00^{+2.00}_{-.00}

[914.4^{+50.8}₀]

1/4-28 UNF-2A 4 PIN CONNECTOR

6

KEY

PIN 4, X-AXIS SIG/PWR

PIN 1, COMM GND RTN

PIN 3, Z-AXIS SIG/PWR

PIN 2, Y-AXIS SIG/PWR

2

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	15580	INITIAL RELEASE, SAME AS X1	DP 03/10/20	KG	LW

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.

63/

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.

DECIMALS
.XX ±.03
.XXX ±.010

METRIC
X ±0.8
.XX ±0.25

ANGLES
±1°

APPROVALS

DATE

ORIG
CHK
APP

DP
KG
LW

02/07/20
03/11/20
3/12/20

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.

Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION DRAWING,
MODEL 3133B4

SIZE
B

CAGE CODE
2W033

DWG NO
127-3133B4

REV
A

SCALE: 2:1

SHEET 1 OF 1

1

4


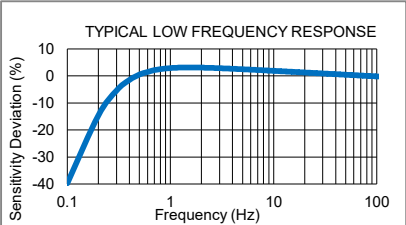
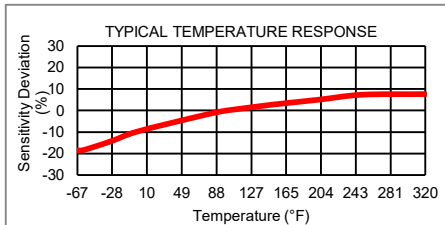
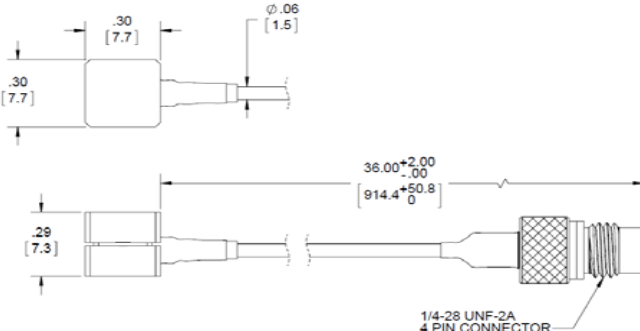
172-0386 REV A

4

3

2

1

Model Number		PERFORMANCE SPECIFICATION				DOC NO PS3133B7	
3133B7		Accelerometer, Triaxial, IEPE				REV B, ECN 16859, 09/12/22	
		<ul style="list-style-type: none">• ULTRA MINIATURE SIZE• IDEAL LOW FREQUENCY RESPONSE• GROUND ISOLATED				This family also includes:	
		ENGLISH		SI			
PHYSICAL							
Weight		0.06	oz	1.84	grams		
Mounting		Adhesive		Adhesive			
Integral Cable	Length	3	ft	914	mm		
	Type	TFE		TFE			
Connector	Type	4-pin		4-pin			
Housing	Material	Titanium		Titanium			
Insolation Cup	Material	Anodized Alum		Anodized Alum			
Sensing Element	Material	Ceramic		Ceramic			
	Mode	Shear		Shear			
PERFORMANCE							
Sensitivity [1], [2], ± 20%		5	mV/g	0.5	mV/m/s^2		
Acceleration Range		1000	Gpeak	9810	m/s^2 peak		
Frequency Range Axis, ±5%		0.3 to 6000	Hz	0.3 to 6000	Hz		
Frequency Range Axis, ±10%		0.25 to 10000	Hz	0.25 to 10000	Hz		
Linearity [4]		± 1	% F.S.	± 1	% F.S.		
Resonance Frequency		>35	kHz	>35	kHz		
Transverse Sensitivity		6	%	6	%		
Noise floor		0.06	Grms	0.59	m/s^2 rms		
ENVIRONMENTAL							
Shock		3000	Gpeak	29430	m/s^2		
Vibration		900	Gpeak	8829	m/s^2		
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 [3]		2 to 20	mA	2 to 20	mA		
Discharge Time Constant		1.0 to 2.5	seconds	1.0 to 2.5	seconds		
Case Isolation, Min		10	GΩ	10	GΩ		
Bias Voltage		+8 to +10	VDC	+8 to +10	VDC		
Output Impedance		100	Ω	100	Ω		
							
							
							
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3133B4 for more information	

