

D

C

B

A

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

MODEL SENSITIVITY

3133D15T	0.25 mV/g
3133D16T	0.7 mV/g
3133D17T	2mV/g
3133D18T	5mV/g
3133D19T	10mV/g

4-WIRE CABLE

WIRE	36 AWG, 7/44 SILVER PLATED COPPER
WIRE INSULATION	PFA, .006 NOMINAL WALL
SHIELD	44 AWG SILVER PLATED SOFT COPPER BRAID
JACKET	PFA, WHITE, .006 INCH NOMINAL WALL
DIAMETER	Ø.045 NOMINAL
TEMP	-196 TO +200 DEG C
VOLTAGE	150 VOLTS AC

DWG NO 127-3133D15T SH 1 REV B

2

1

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	13348	INITIAL RELEASE	NDC 03/16/17	LN	AS
B	13437	ADDED "LOW OUTGASSING" NOTE	JB 5/9/2017	MH	LN

D

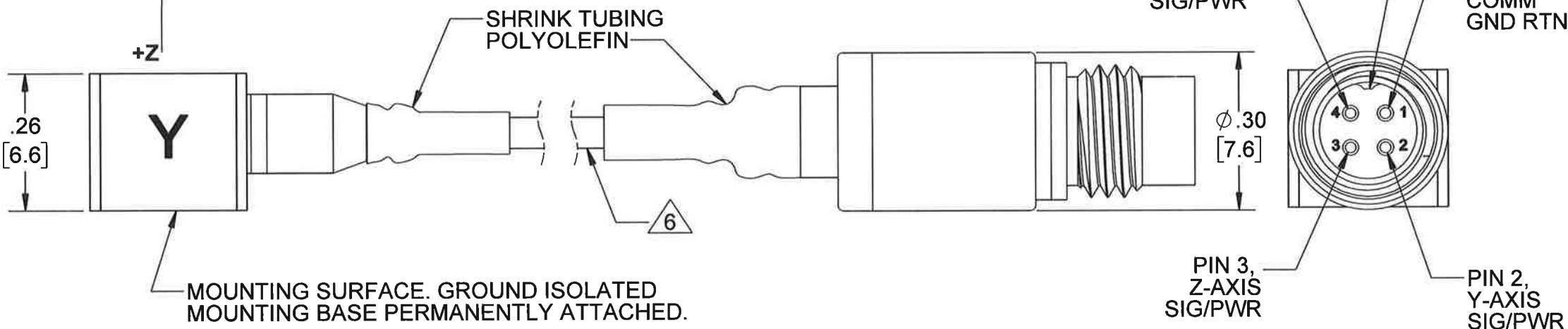
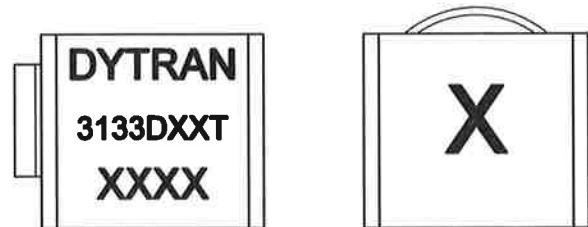
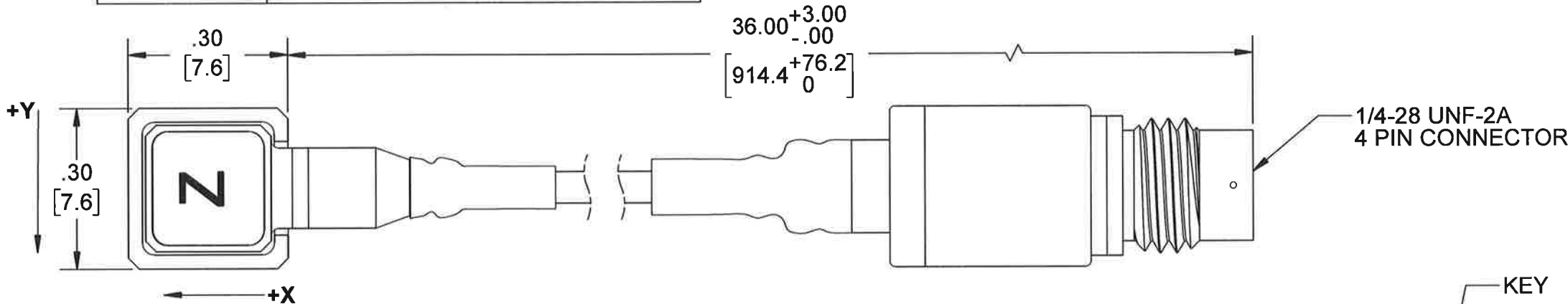
C

B

A



REMOVAL TOOL,
MODEL 6981, INCLUDED



MOUNTING SURFACE. GROUND ISOLATED
MOUNTING BASE PERMANENTLY ATTACHED.

7. LOW OUTGASSING.

6 SEE TABLE FOR 4 WIRE CABLE SPECIFICATIONS.

5. DYTRAN MODEL 6298 PETRO MOUNTING WAX AND MODEL 6981 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 Ø.39, FLAT TO .0001 TIR. APPLY ONE DROP OF CYANOACRYLATE ADHESIVE TO MOUNT THE ACCELEROMETER.

2. HOUSING MATERIAL: TITANIUM ALLOY. ISOLATION BASE: ANODIZED ALUMINUM.

1. WEIGHT: 1.3 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.


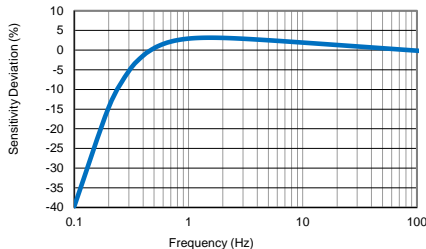
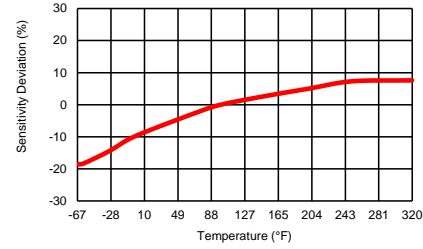
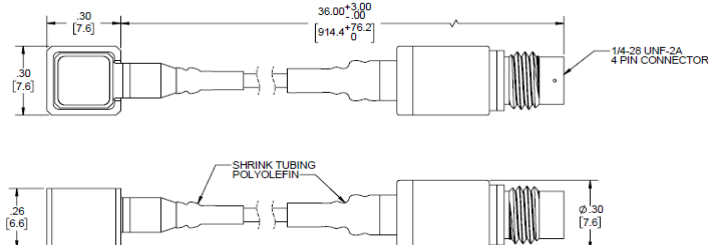

ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS	METRIC	ANGLES
XX ±.03	.X ±0.8	±1°
.XXX ±.010	.XX ±0.25	
APPROVALS		DATE
ORIG	NDC	03/13/17
CHK	LN	03/31/17
APP	AS	04/04/17
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



TITLE: OUTLINE/INSTALLATION
DRAWING, 3133D15T

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3133D15T	B
SCALE: 1:1		SHEET 1 OF 1	

Model Number 3133D19T		PERFORMANCE SPECIFICATION				DOC NO PS3133D19T																															
		Accelerometer, Triaxial, IEPE				REV D, ECN 17013, 03/22/23																															
		<ul style="list-style-type: none">• ULTRA MINIATURE SIZE• IDEAL LOW FREQUENCY RESPONSE• LOW BASE STRAIN SENSITIVITY• TEDS FEATURE• GROUND ISOLATION• LOW OUTGASSING				This family also includes: <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>3133D15T</td><td>0.25</td><td>20,000</td><td>0.5</td><td>-67 to 320</td><td>0.5 to 4.0</td></tr><tr><td>3133D16T</td><td>0.7</td><td>5,000</td><td>0.3</td><td>-67 to 320</td><td>0.5 to 2.5</td></tr><tr><td>3133D17T</td><td>2</td><td>2,500</td><td>0.15</td><td>-67 to 320</td><td>0.3 to 2.5</td></tr><tr><td>3133D18T</td><td>5</td><td>1,000</td><td>0.06</td><td>-67 to 320</td><td>1.1 to 2.5</td></tr></table>		Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp (°F)	TC	3133D15T	0.25	20,000	0.5	-67 to 320	0.5 to 4.0	3133D16T	0.7	5,000	0.3	-67 to 320	0.5 to 2.5	3133D17T	2	2,500	0.15	-67 to 320	0.3 to 2.5	3133D18T	5	1,000	0.06	-67 to 320	1.1 to 2.5
Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp (°F)	TC																																
3133D15T	0.25	20,000	0.5	-67 to 320	0.5 to 4.0																																
3133D16T	0.7	5,000	0.3	-67 to 320	0.5 to 2.5																																
3133D17T	2	2,500	0.15	-67 to 320	0.3 to 2.5																																
3133D18T	5	1,000	0.06	-67 to 320	1.1 to 2.5																																
		Refer to the performance specifications of the products in this family for detailed description																																			
		Supplied Accessories: <ul style="list-style-type: none">1) Model 6298 small petro wax2) Model 6981 removal tool3) Accredited calibration certificate (ISO 17025)																																			
		Notes: <ul style="list-style-type: none">[1] Measured at 100 Hz, 10 g RMS.[2] Actual sensitivity is given on a calibration certificate.[3] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier.[4] Measured using zero-based straight line method, % of F.S. or any lesser range.[5] All specifications are at room temperature unless otherwise specified.[6] 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																			
		<div><div>TYPICAL LOW FREQUENCY RESPONSE</div></div> <div><div>TYPICAL TEMPERATURE RESPONSE</div></div>																																			
																																					
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3133D15T for more information.																																			
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 www.dytran.com For permission to reprint this content, please contact info@dytran.com																																			

