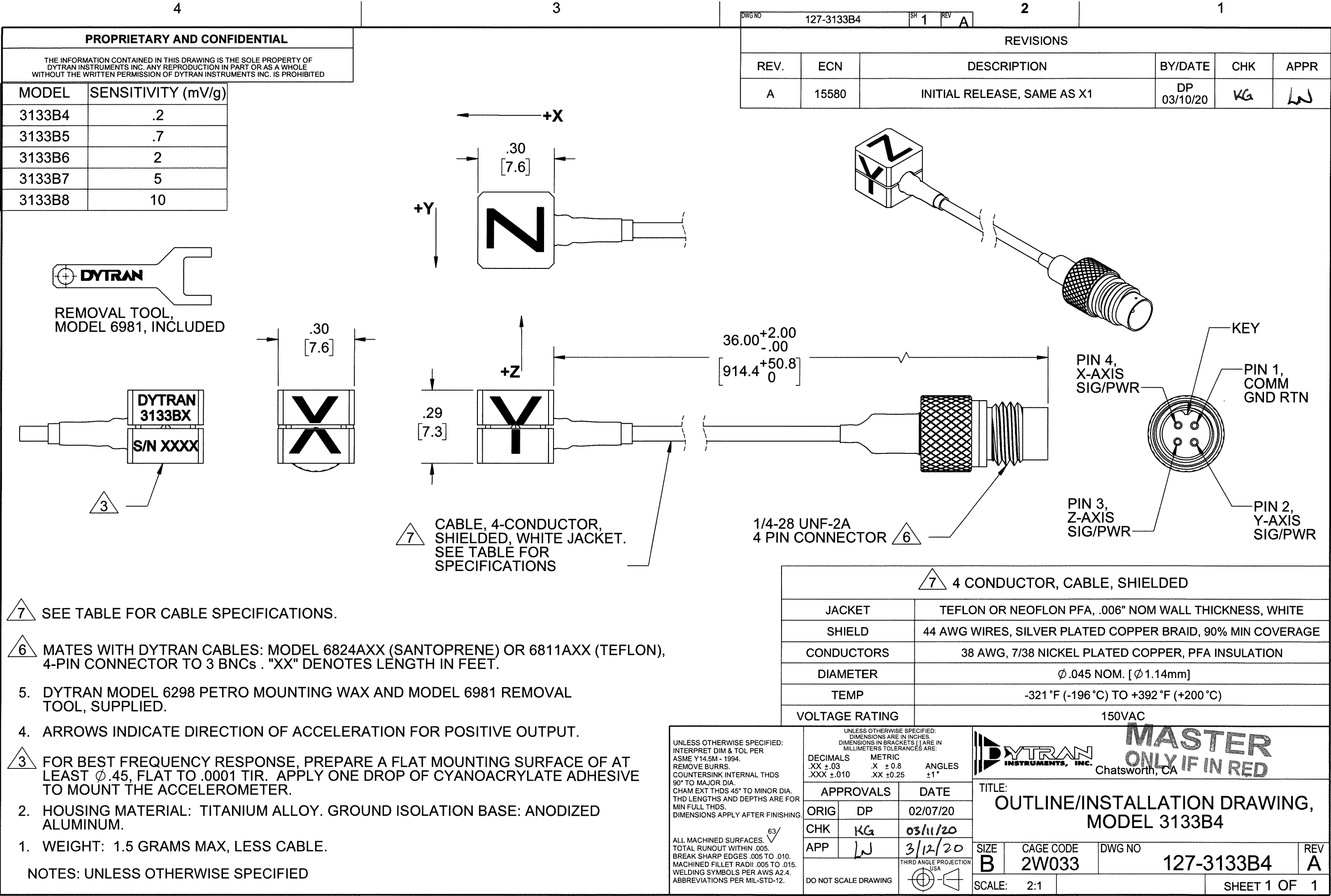




7 SEE TABLE FOR CABLE SPECIFICATIONS.

6 MATES WITH DYTRAN CABLES: MODEL 6824AXX (SANTOPRENE) OR 6811AXX (TEFLON), 4-PIN CONNECTOR TO 3 BNCs . "XX" DENOTES LENGTH IN FEET.

5. DYTRAN MODEL 6298 PETRO MOUNTING WAX AND MODEL 6981 REMOVAL TOOL, SUPPLIED.

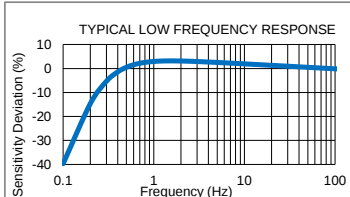
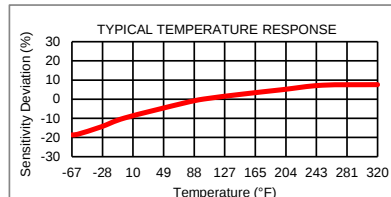
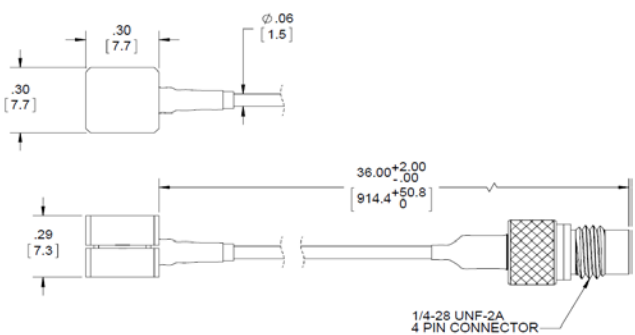
4. ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

3 FOR BEST FREQUENCY RESPONSE, PREPARE A FLAT MOUNTING SURFACE OF AT LEAST Ø.45, FLAT TO .0001 TIR. APPLY ONE DROP OF CYANOACRYLATE ADHESIVE TO MOUNT THE ACCELEROMETER.

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

1. WEIGHT: 1.5 GRAMS MAX, LESS CABLE.

NOTES: UNLESS OTHERWISE SPECIFIED

Model Number	PERFORMANCE SPECIFICATION				DOC NO PS3133B4																															
3133B4				Accelerometer, Triaxial, IEPE	REV B, ECN 16859, 09/12/22																															
 • ULTRA MINIATURE SIZE • IDEAL LOW FREQUENCY RESPONSE • GROUND ISOLATED																																				
		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	Quartz		Quartz																																
	Mode	Shear		Shear																																
PERFORMANCE																																				
Sensitivity [1], [2], ± 25%		0.2	mV/g	0.020	mV/m/s2																															
Acceleration Range		20,000	Gpeak	196200	m/s2 peak																															
Frequency Range, ±5%		0.7 to 6000	Hz	0.7 to 6000	Hz																															
Frequency Range, ±10%		0.7 to 10000	Hz	0.7 to 10000	Hz																															
Linearity [4]		± 1	% F.S.	± 1	% F.S.																															
Resonance Frequency		>35	kHz	>35	kHz																															
Transverse Sensitivity		6	%	6	%																															
Noise floor		0.35	Grms	3.43	m/s2 rms																															
ENVIRONMENTAL																																				
Maximum Shock		25,000	Gpeak	245250	m/s2																															
Maximum Vibration		22,000	Gpeak	215820	m/s2																															
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/s2/Gauss																															
Base Strain Sensitivity		0.15	g/με	1.47	m/s2/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		.5 to 4	seconds	1.0 to 2.5	seconds																															
Case Isolation, Min		10	GΩ	10	GΩ																															
Bias Voltage		+7 to +9	VDC	+8 to +10	VDC																															
Output Impedance		100	Ω	100	Ω																															
This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td>3133B5</td><td>0.7</td><td>5000</td><td>0.15</td><td>-67 to 320</td><td>0.5 to 2.5</td></tr><tr><td>3133B6</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>3133B7</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>3133B8</td><td>10</td><td>500</td><td>0.02</td><td>-67 to 320</td><td>1.0 to 2.5</td></tr></table> Please, refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Model 6298 small petro wax 2) Model 6981 removal tool 3) Accredited calibration certificate (ISO 17025) Notes: [1] Measured at 100 Hz, 10 Grms [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] 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 127-3133B4 for more information.							Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC	3133B5	0.7	5000	0.15	-67 to 320	0.5 to 2.5	3133B6	2	2500	0.15	-67 to 320	0.3 to 2.5	3133B7	5	1000	0.06	-67 to 320	1.0 to 2.5	3133B8	10	500	0.02	-67 to 320	1.0 to 2.5
Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC																															
3133B5	0.7	5000	0.15	-67 to 320	0.5 to 2.5																															
3133B6	2	2500	0.15	-67 to 320	0.3 to 2.5																															
3133B7	5	1000	0.06	-67 to 320	1.0 to 2.5																															
3133B8	10	500	0.02	-67 to 320	1.0 to 2.5																															



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



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