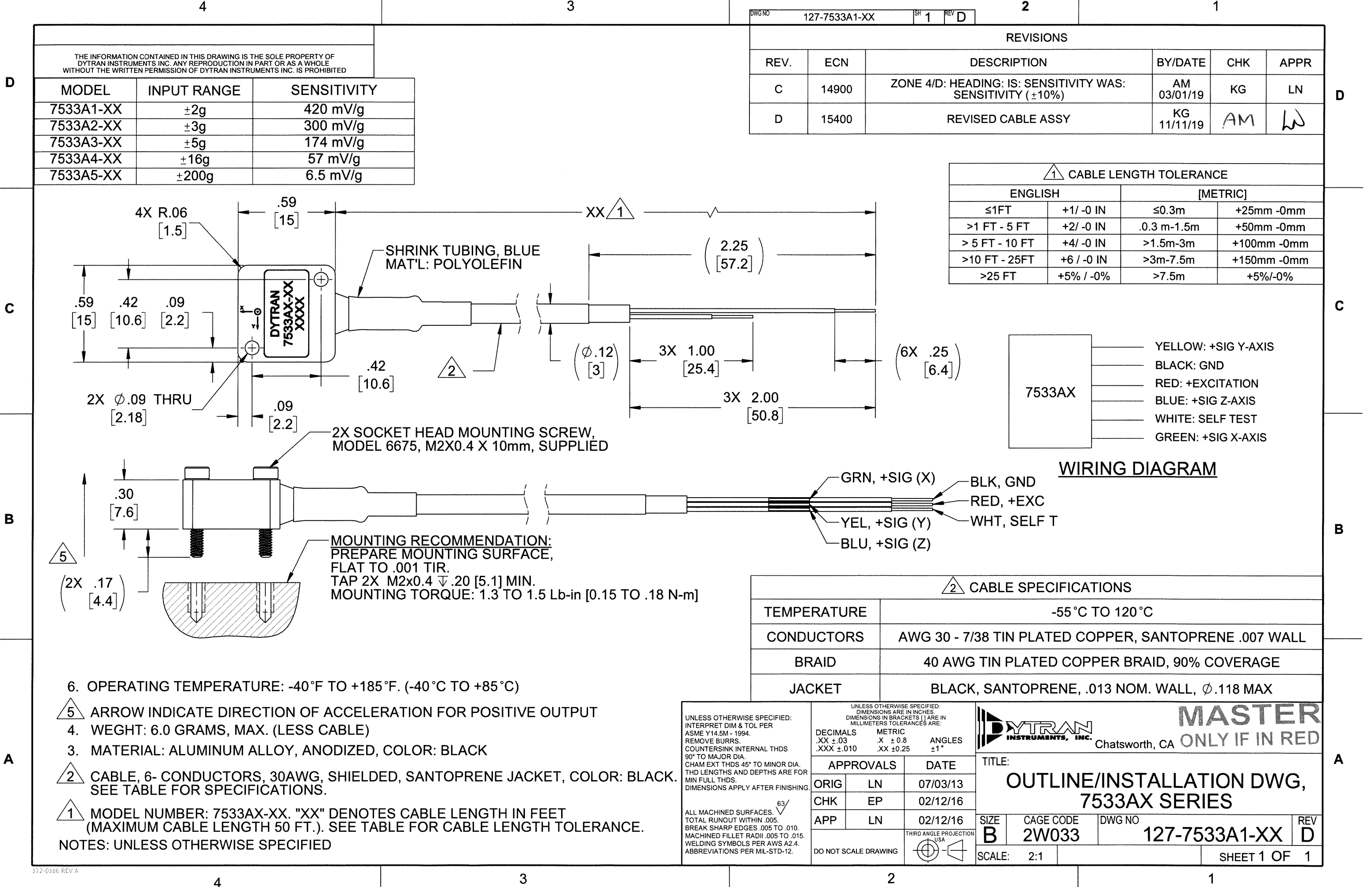
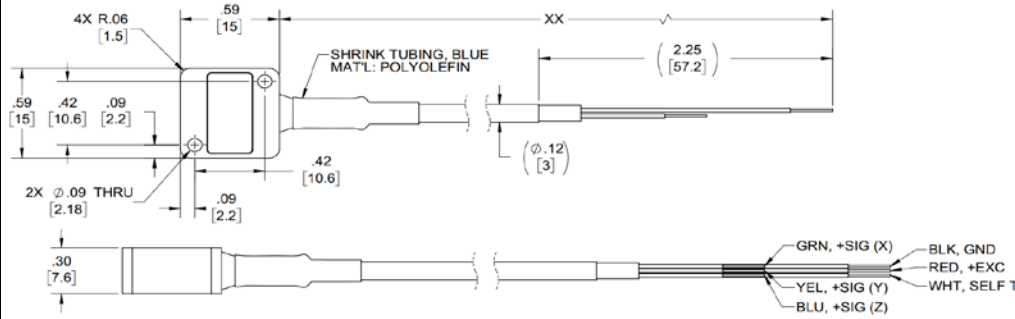




MODEL NUMBER 7533A3		PERFORMANCE SPECIFICATIONS				DOC NO. PS7533A3				
		TRIAxIAL , DC ACCELEROMETER				REV H, ECN 17146, 05/15/23				
		• LOW COST • WIDE SUPPLY VOLTAGE RANGE • LOW CURRENT CONSUMPTION				Model	Sensitivity (mV/g)	Frequency Response, -3dB (Hz)	Noise (µg RMS/√Hz)	Oper. Temp(°F)
						7533A1	420	0 to 1600 (x,y); 0 to 550 (z)	250	-40 to 185
						7533A2	300	0 to 1600 (x,y); 0 to 550 (z)	175(x,y); 300(z)	-40 to 185
						7533A4	57	0 to 1600 (x,y); 0 to 550 (z)	300	-40 to 185
						7533A5	6.5	0 to 1300 (x,y); 0 to 1000 (z)	2700(x,y); 4300(z)	-40 to 185
		Please, refer to the performance specifications of the products in this family for detailed description								
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Mounting Screw, Model 6675, M2x0.4 x 12mm, qty. 2								
		Notes: [1] All specifications are at room temperature unless otherwise specified. [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] In the interest of constant product improvement, we reserve the rights 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.								
										
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-7533A1-XX for more information.								
		PHYSICAL Weight, Max. (less cable) Mounting Cable Type Material Housing Material Isolation								
		ENGLISH		SI						
		0.21 oz		6.0 grams						
		2X M2 Screws		2X M2 Screws						
		6-conductor		6-conductor						
		Santoprene		Santoprene						
		Aluminum, Anodized		Aluminum, Anodized						
		Case Isolated		Case Isolated						
		PERFORMANCE Sensitivity, +/-10% [1] Acceleration Range, Min. Frequency Range, -3dB X,Y axes Z-axis Resonance Frequency X,Y axes Z-axis Spectral Noise Linearity Transverse Sensitivity Max Sensitivity Change Due to Temperature								
		174 mV/g		17.7 mV/m/s²						
		±5 g pk		±49.1 m/s² pk						
		0 to 1000 Hz		0 to 1000 Hz						
		0 to 550 Hz		0 to 550 Hz						
		>4.5 kHz		>4.5 kHz						
		>2.5 kHz		>2.5 kHz						
		250 µg RMS/√Hz		2453 µm/s² RMS/√Hz						
		±0.21 %F.S.		±0.21 %F.S.						
		5 %		5 %						
		±0.006 %/°F		±0.01 %/°C						
		ELECTRICAL Supply Current Supply Voltage Range Output impedance, Typ. Output Bias Voltage Output Range Self-Test Output [2] X-axis Y-axis Z-axis Turn-On Time								
		350 µA		350 µA						
		4 to 28 VDC		4 to 28 VDC						
		32 kΩ		32 kΩ						
		1.3 to 1.7 VDC		1.3 to 1.7 VDC						
		±0.975 VDC		±0.975 VDC						
		-90 to -350 mV		-90 to -350 mV						
		+90 to +350 mV		+90 to +350 mV						
		+90 to +580 mV		+90 to +580 mV						
		1 ms		1 ms						
		ENVIRONMENTAL Maximum Shock Operating Temperature Seal								
		10,000 g pk		98100 m/s² pk						
		-40 to +185 °F		-40 to +85 °C						
		Epoxy		Epoxy						



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