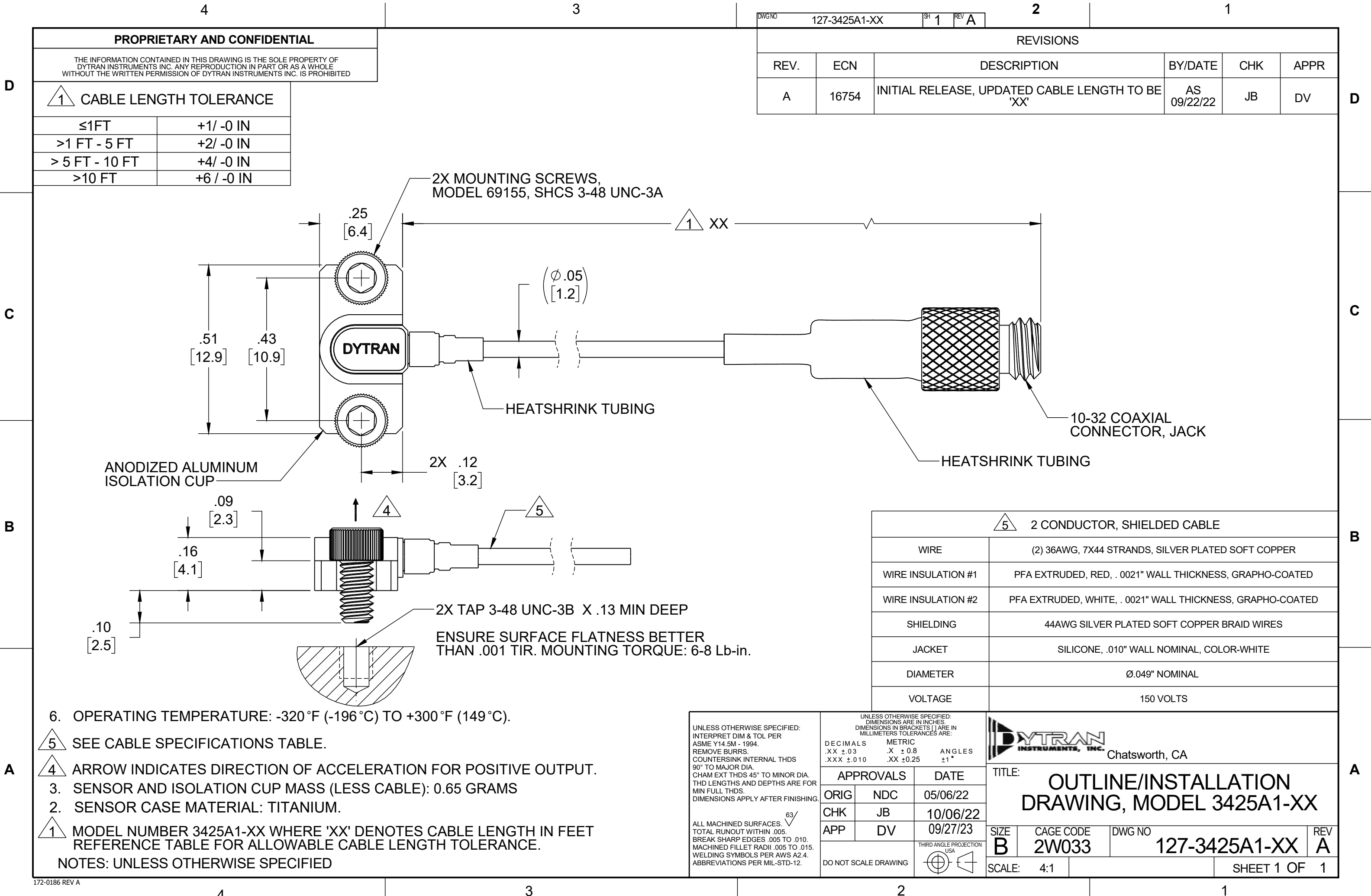
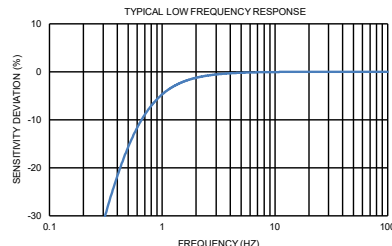
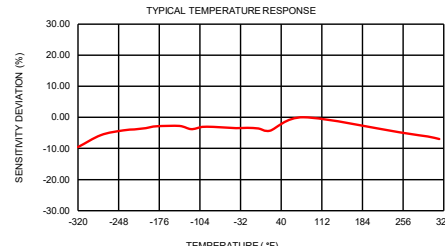
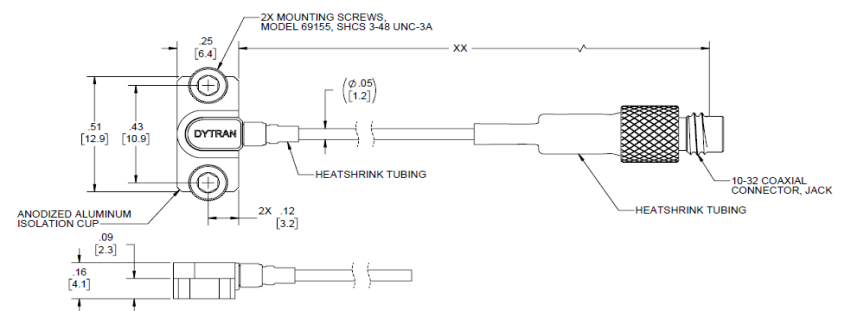




Model Number 3425A1-XX		PERFORMANCE SPECIFICATIONS				DOC NO PS3425A1-XX																															
		IEPE ACCELEROMETER				REV A, ECN16754, 09/22/22																															
		• MINIATURE SIZE • FLEXIBLE INTEGRAL CABLE • HIGH G RANGE • QUARTZ SENSING ELEMENT • CRYOGENIC USE		This family also includes: <table><thead><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g pk)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 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] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [4] 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.				Model	Sensitivity (mV/g)	Range (g pk)	Time Constant (Sec)	Operating Temp (°F)																									
Model	Sensitivity (mV/g)	Range (g pk)	Time Constant (Sec)	Operating Temp (°F)																																	
PHYSICAL	Type	ENGLISH		SI																																	
		0.023	oz	0.65	grams																																
		10-32 Jack		10-32 Jack																																	
		Adhesive Mount		Adhesive Mount																																	
		Titanium		Titanium																																	
		Quartz		Quartz																																	
PERFORMANCE																																					
Sensitivity [1]	0.05 - 0.14	mV/g	0.005 - 0.014	mV/m/s ²																																	
Range for ± 5 Volts Output	35,000	g pk	343350	m/s ² pk																																	
Frequency Response, ±10%	1.0 to 20,000	Hz	1.0 to 20,000	Hz																																	
Resonant Frequency	> 90	kHz	> 90	kHz																																	
Broad Band Resolution	1	g RMS	9.8	m/s ² RMS																																	
Linearity [2]	±1	% F.S.	±1	% F.S.																																	
Maximum Transverse sensitivity	5	%	5	%																																	
Strain Sensitivity @ 250µε	0.8	g/µε	7.85	m/s ² /µε																																	
ENVIRONMENTAL																																					
Maximum Shock	40,000	g pk	392,000	m/s ² pk																																	
Temperature Range	-320 to +300	°F	-196 to +149	°C																																	
Seal	Epoxy		Epoxy																																		
ELECTRICAL																																					
Supply Current Range [3]	2 to 20	mA	2 to 20	mA																																	
Compliance Voltage Range	+18 to +30	Volts	+18 to +30	Volts																																	
Output Impedance, Typ	100	Ω	100	Ω																																	
Bias Voltage	+7 to +9	VDC	+7 to +9	VDC																																	
Discharge Time Constant	0.5 to 4.0	Sec	0.5 to 4.0	Sec																																	
Case Isolation, Min.	10	GΩ	10	GΩ																																	
						TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE   Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3425A1 for more information.																															
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