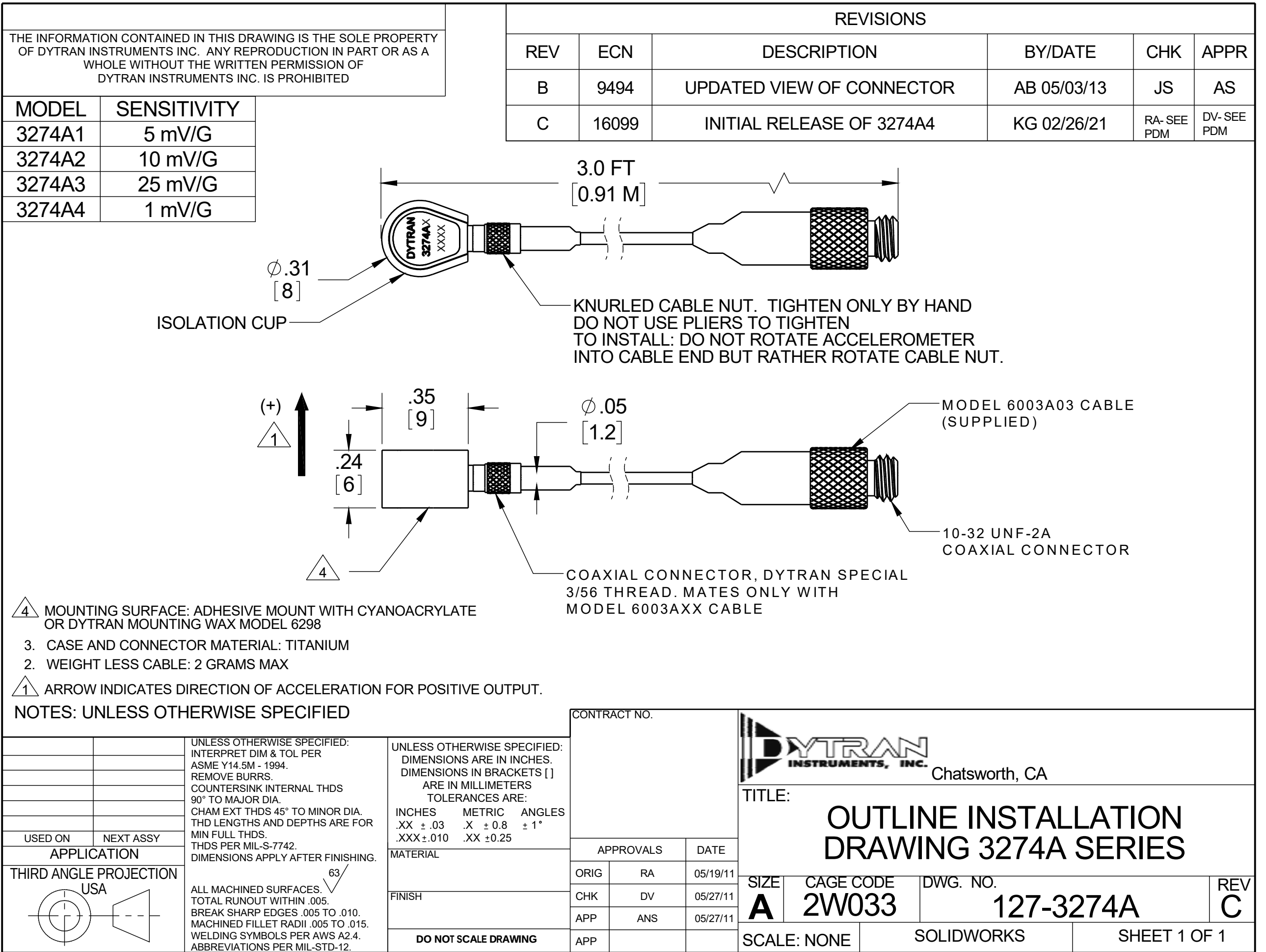
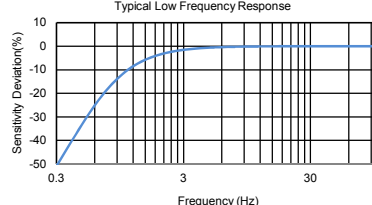
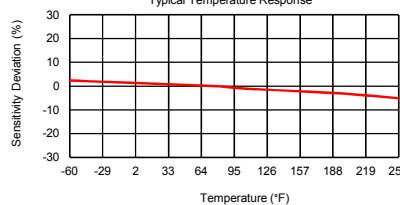
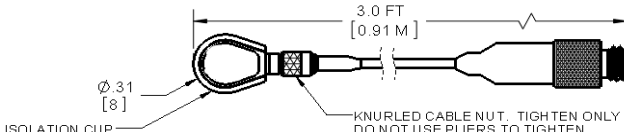
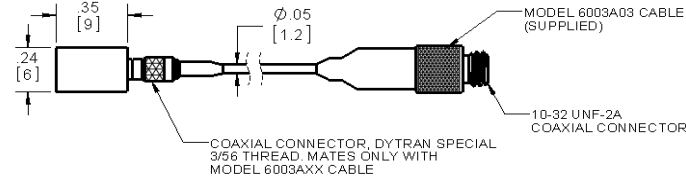




MODEL NUMBER 3274A2		PERFORMANCE SPECIFICATION				DOC NO. PS3274A2																			
		ACCELEROMETER , IEPE				REV F, ECN 14341, 07/13/18																			
		• MINIATURE SIZE • REMOVABLE CABLE WITH 10-32 CONNECTOR • HERMETICALLY SEALED • TEDS FEATURE				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g's)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td>3274A1</td><td>5</td><td>1000</td><td>0.014</td><td>-60 to +250</td><td>0.3 to 0.8</td></tr><tr><td>3274A3</td><td>25</td><td>200</td><td>0.0009</td><td>-60 to +225</td><td>0.3 to 0.8</td></tr></table> Refer to the performance specifications of the products in this family for detailed description. Supplied Accessories 1) Model 6591A installation wrench 2) Model 6298 small petro mounting wax 3) Accredited calibration certificate (ISO 17025) 4) Model 6003A03 cable assembly Notes: [1] Flat mounting surface for adhesive mount. [2] Mates with Dytran cable 6003AXX (XX is cable length in feet) [3] Measured at 100 Hz, 1 grms per ISA RP37.2. [4] Percent of full scale or any lesser range, zero based best-fit straight line method. [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier [6] Typical. Not to exceed 0.010 Grms [0.10 m/s²]		Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC	3274A1	5	1000	0.014	-60 to +250	0.3 to 0.8	3274A3	25	200	0.0009	-60 to +225	0.3 to 0.8
Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC																				
3274A1	5	1000	0.014	-60 to +250	0.3 to 0.8																				
3274A3	25	200	0.0009	-60 to +225	0.3 to 0.8																				
		ENGLISH		SI																					
PHYSICAL																									
Weight, Max	(Less Cable)	0.07	oz	2	grams																				
Mounting Provision		[1]		[1]																					
Connector	Radially Mounted	3-56		3-56																					
Cable Length		36	Inches	914	mm																				
Case Material		Titanium		Titanium																					
Isolation Cup Material		Anodized Aluminum		Anodized Aluminum																					
Sensing Element	Material	Quartz		Quartz																					
	Mode	Shear		Shear																					
PERFORMANCE																									
Sensitivity, ± 10% [3]		10	mV/g	1.02	mV/m/s ²																				
Range F.S For ± 5 Volts Out		± 500	g's	± 4905	m/s ²																				
Frequency Response, +/- 10%		1.1 to 10000	Hz	1.1 to 10000	Hz																				
Mounted Resonant Frequency		> 40	kHz	> 40	kHz																				
Amplitude Non-Linearity [4]		2	%F.S	2	%F.S																				
Transverse Sensitivity, Max		5	%	5	%																				
Noise Resolution [6]		0.007	grms	0.07	m/s ² rms																				
Strain Sensitivity @250/μe		0.04	g/μe	0.39	m/s ² /μe																				
ENVIRONMENTAL																									
Maximum Vibration		600	Grms	5880	m/s ² rms																				
Maximum Shock		5000	Gpeak	49000	m/s ² peak																				
Temperature Range		-60 to +250	°F	-51 to +121	°C																				
TEDS Operating Temperature		-40 to +185	°F	-40 to +85	°C																				
Environmental Seal		Hermetic		Hermetic																					
ELECTRICAL																									
Supply Current/Compliance Voltage Range [5]		2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts																				
Output Impedance, TYP		100	Ω	100	Ω																				
Bias Voltage		+7 to +9	VDC	+7 to +9	VDC																				
Discharge Time Constant		0.3 to 0.8	Sec	0.3 to 0.8	Sec																				
TEDS Feature		IEEE 1451.4		IEEE 1451.4																					
Case Isolation		10	GΩ	10	GΩ																				
																									
																									
																									
																									
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3274A for more information.																							



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