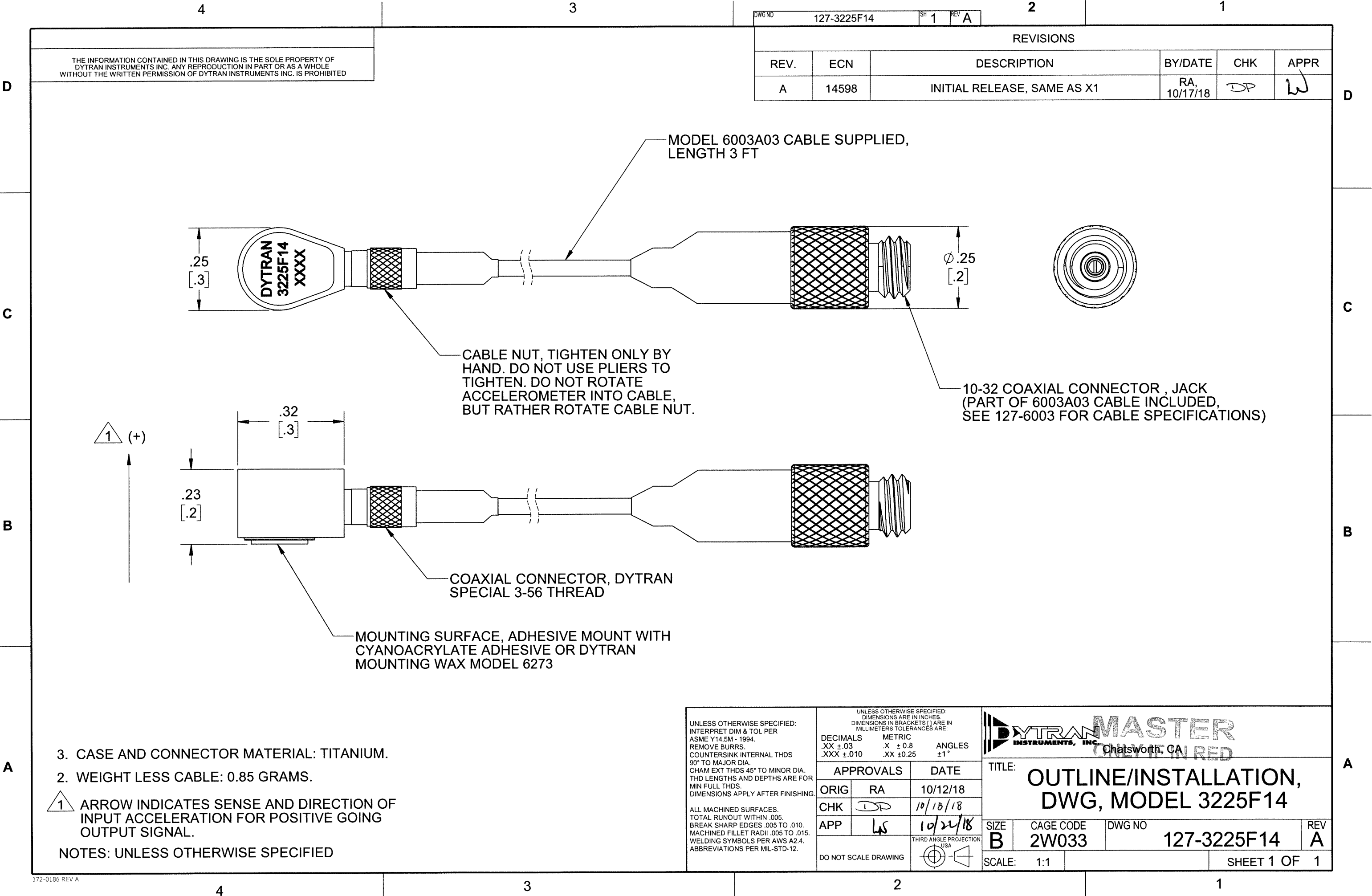
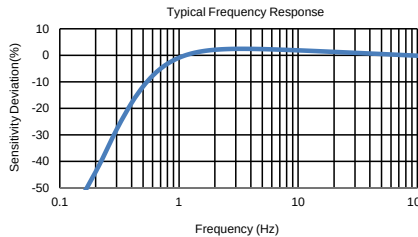
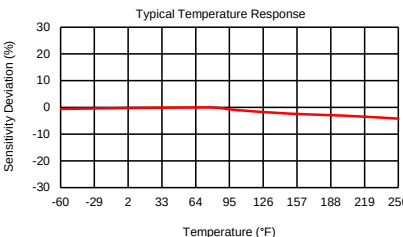
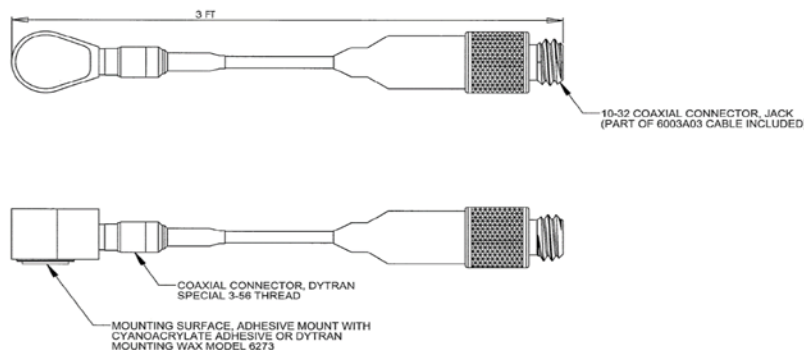




MODEL NUMBER 3225F14		PERFORMANCE SPECIFICATION				DOC NO. PS3225F14							
		ACCELEROMETER, IEPE				REV A, ECN 14598, 10/12/18							
		• MINIATURE SIZE • REMOVABLE CABLE WITH 10-32 CONNECTOR • HERMETICALLY SEALED											
		This family also includes:											
		Model		Sensitivity (mV/g)		Range (g's)		Resolution (Grms)		Oper. Temp(°F)		TC	
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)													
Notes:													
[1] Flat mounting surface for adhesive mount.													
[2] Mates with Dytran cable 6003A													
[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 0.002 Grms [0.02 m/s ²].													
PHYSICAL		ENGLISH		SI									
Weight, Max.(Less cable)		0.04	oz	1.0	grams								
Size (Dia. x Length Hex x Height)		0.25 x 0.43 x 0.215	in	6.4 x 10.9 x 5.5	mm								
Mounting Provision [1]		[1]		[1]									
Connector, Radially Mounted [2]		3-56		3-56									
Case Material	Material Mode	Titanium		Titanium									
Sensing Element		Ceramic		Ceramic									
		Shear		Shear									
PERFORMANCE													
Sensitivity, ± 10% [3]		50	mV/g	5.1	mV/m/s ²								
Range F.S For ± 5 Volts Out		± 100	g pk	± 981	m/s ² pk								
Frequency Response, +/- 10%		2 to 10,000	Hz	2 to 10,000	Hz								
Mounted Resonant Frequency		> 40	kHz	> 40	kHz								
Amplitude Non-Linearity [4]		2	% F.S	2	% F.S								
Transverse Sensitivity, Max.		5	%	5	%								
Equivalent Electrical Noise Floor [6]		0.0014	grms	0.014	m/s ² rms								
Strain Sensitivity @250/μϵ		0.05	g/μϵ	0.49	m/s ² /μϵ								
ENVIRONMENTAL													
Maximum Vibration		400	Grms	3924	m/s ² rms								
Maximum Shock		5000	Gpeak	49050	m/s ² peak								
Temperature Range		-60 to +220	°F	-51 to +104	°C								
Environmental Seal		Hermetic		Hermetic									
Coefficient of Thermal Sensitivity		.15	%/°F	0.27	%/°C								
ELECTRICAL													
Supply Current [5]		2 to 20	mA	2 to 20	mA								
Compliance Voltage		+18 to +30	Volts	+18 to +30	Volts								
Output Impedance, Typ.		100	Ω	100	Ω								
Bias Voltage		+11 to +13	VDC	+11 to +13	VDC								
Discharge Time Constant		0.5 to 1.8	Sec	0.5 to 1.8	Sec								
Output Signal Polarity for Acceleration Toward Top		Positive		Positive									
													
													
													
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F14 for more information.													
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