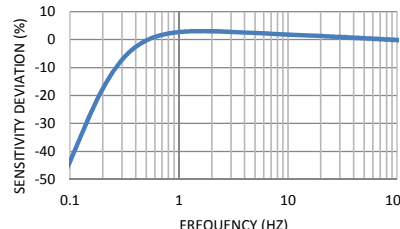
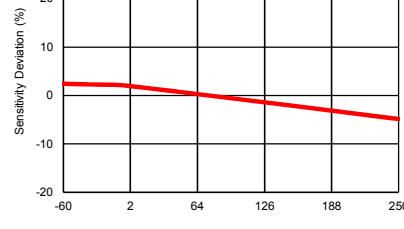
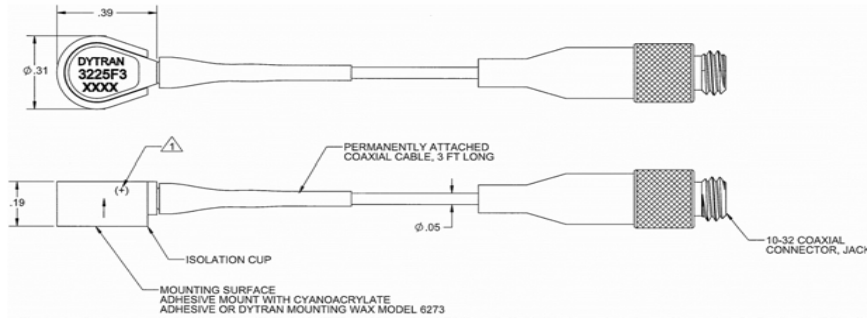


MODEL NUMBER 3225F3		PERFORMANCE SPECIFICATION				DOC NO. PS3225F3					
		ACCELEROMETER, IEPE				REV C, ECN 14312, 07/11/18					
		• MINIATURE SIZE • 3-FOOT INTEGRAL CABLE • BASE ISOLATED				This family also includes:					
						Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC
						Refer to the performance specifications of the products in this family for detailed description.					
						Supplied Accessories					
						1) Model 6591A installation and removal wrench					
						2) Model 6298 small petro mounting wax					
						3) Accredited calibration certificate (ISO 17025)					
						Notes:					
						[1] Flat mounting surface for adhesive mount.					
						[2] Measured at 100 Hz, 1 grms per ISA RP37.2.					
						[3] Percent of full scale or any lesser range, zero based best-fit straight line method.					
						[4] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier					
						[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.					
						[6] Typical. Not to exceed .010 Grms [.10 m/s ²].					
PHYSICAL		ENGLISH		SI							
Weight		0.02	oz	0.6	grams						
Mounting Provision		[1]		[1]							
Connector, Coaxial		10-32		10-32							
Cable Length		36	Inches	914	mm						
Case Material		Titanium		Titanium							
Sensing Element	Material	Quartz		Quartz							
	Mode	Shear		Shear							
PERFORMANCE											
Sensitivity, ± 10% [2]		10	mV/g	1.0	mV/m/s ²						
Range F.S. For ± 5 Volts Out		± 500	g's	± 4905	m/s ²						
Frequency Response, +/- 10%		1.6 to 10,000	Hz	1.6 to 10,000	Hz						
Mounted Resonant Frequency		> 60	kHz	> 60	kHz						
Amplitude Non-Linearity [3]		1	% F.S	1	% F.S						
Transverse Sensitivity, Max		5	%	5	%						
Noise Resolution [6]		0.007	grms	0.07	m/s ² rms						
Strain Sensitivity @250/μϵ		0.0005	g/μϵ	0.00	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 +250	°F	-51 to +121	°C						
Thermal Coefficient of Sensitivity		0.03	%/°F	0.054	%/°C						
Environmental Seal		Epoxy		Epoxy							
ELECTRICAL											
Supply Current [4]		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		+7 to +9	VDC	+7 to +9	VDC						
Discharge Time Constant		0.3 to 0.8	Sec	0.3 to 0.8	Sec						
Case Isolation		10	MΩ min	10	MΩ min						
											
											
											
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F3 for more information.					
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com									