
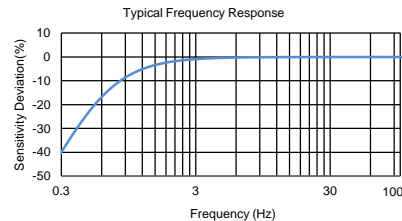
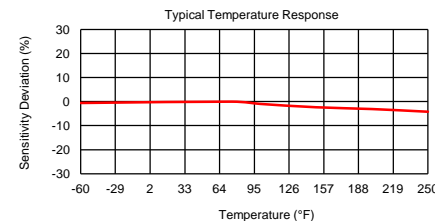
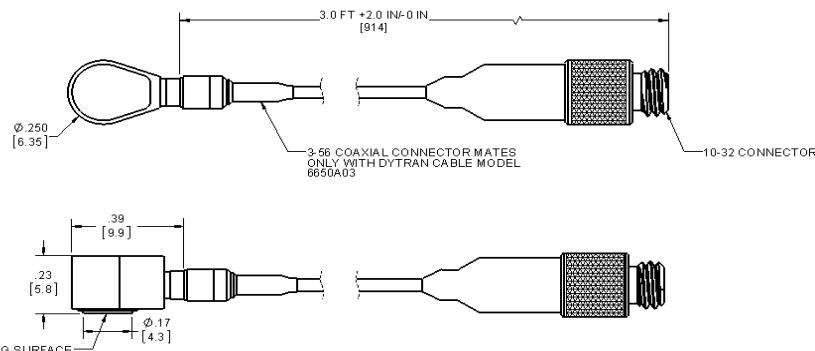



- 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
3. CASE AND CONNECTOR MATERIAL: TITANIUM
2. WEIGHT LESS CABLE: 0.85 GRAMS MAX.
1. RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE.
- NOTES: UNLESS OTHERWISE SPECIFIED

MODEL NUMBER 3225F4T		PERFORMANCE SPECIFICATION				DOC NO. PS3225F4T																									
		ACCELEROMETER , IEPE				REV G, ECN 13568, 07/20/17																									
		<ul style="list-style-type: none">• MINIATURE SIZE• REMOVABLE CABLE WITH 10-32 CONNECTOR• TEDS FEATURE				<p>This family also includes:</p> <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>3225F1T</td><td>10</td><td>500</td><td>0.007</td><td>-60 TO +250</td><td>0.3 TO 0.6</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Refer to the performance specifications of the products in this family for detailed description.</p> <p>Supplied Accessories</p> <ol style="list-style-type: none">1) Model 6591A installation wrench2) Model 6298 small petro mounting wax3) Accredited calibration certificate (ISO 17025) <p>Notes:</p> <ol style="list-style-type: none">[1] Flat mounting surface for adhesive mount.[2] Mates with Dytran cable 6650A03[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] In the interest of constant product improvement, we reserve the right to change specifications without notice.		Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC	3225F1T	10	500	0.007	-60 TO +250	0.3 TO 0.6												
Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC																										
3225F1T	10	500	0.007	-60 TO +250	0.3 TO 0.6																										
PHYSICAL		ENGLISH		SI																											
Weight, Max	(Less Cable)	0.03	oz	0.85	grams																										
Mounting Provision		[1]		[1]																											
Connector	Radially Mounted	3-56		3-56																											
Cable Length		36	Inches	914	mm																										
Case Material		Titanium		Titanium																											
Sensing Element	Material	Quartz		Quartz																											
	Mode	Shear		Shear																											
PERFORMANCE																															
Sensitivity, ± 10% [3]		1	mV/g	0.10	mV/m/s ²																										
Range F.S For ± 5 Volts Out		± 500	g's	± 4905	m/s ²																										
Frequency Response, +/- 10%		1.0 to 10000	Hz	1.0 to 10000	Hz																										
Mounted Resonant Frequency		> 60	kHz	> 60	kHz																										
Amplitude Non-Linearity [4]		2	%F.S	2	%F.S																										
Transverse Sensitivity, Max		5	%	5	%																										
Noise Resolution		0.070	grms	0.69	m/s ² rms																										
Strain Sensitivity @250/με		0.0005	g/με	0.0049	m/s ² /με																										
ENVIRONMENTAL																															
Maximum Vibration		7000	Grms	68600	m/s ² rms																										
Maximum Shock		6000	Gpeak	58800	m/s ² peak																										
Temperature Range		-60 to +250	°F	-51 to +121	°C																										
TEDS Operating Temp.		-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		0.4 to 1.5	Sec	0.4 to 1.5	Sec																										
TEDS Feature		IEEE 1451.4		IEEE 1451.4																											
																															
																															
																															
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F4T 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

