




Model Number 3215B1T		PERFORMANCE SPECIFICATION				DOC NO PS3215B1T	
		MINIATURE IEPE ACCELEROMETER				REV A, ECN 14993, 05/20/19	
		<ul style="list-style-type: none"><li>• MINIATURE SIZE</li><li>• HERMETICALLY SEALED</li><li>• BASE ISOLATED</li><li>• TEDS FEATURE</li></ul>					
<b>PHYSICAL</b>		ENGLISH		SI			
Weight, Max		0.30	oz	8.7	grams		
Connector, Side Mounted		10-32 Jack		10-32 Jack			
Mounting Provision, Thru Hole		Ø.19	Inches	Ø 4.8	mm		
Material, Housing/Connector		Titanium Alloy		Titanium Alloy			
Sensing Element		Quartz		Quartz			
Element Style		Shear		Shear			
<b>PERFORMANCE</b>							
Sensitivity, ±5% [1]		5	mV/g	0.5	mV/m/s <sup>2</sup>		
Range F.S for ± 5 Volts Output		± 1000	g	± 9810	m/s <sup>2</sup>		
Frequency Response, ±5%		1.6 to 5,000	Hz	1.6 to 5,000	Hz		
Frequency Response, ±10%		1.1 to 10,000	Hz	1.1 to 10,000	Hz		
Resonant Frequency		>50	kHz	>50	kHz		
Equivalent Electrical Noise Floor		0.010	Grms	0.10	m/s <sup>2</sup> rms		
Linearity [2]		± 1%	% F.S.	± 1%	% F.S.		
Maximum Transverse Sensitivity		5	%	5	%		
Strain Sensitivity @ 250µε		0.003	g/µε	0.03	m/s <sup>2</sup> /µε		
<b>ENVIRONMENTAL</b>							
Maximum Vibration		± 1500	Gpeak	± 14715	m/s <sup>2</sup> peak		
Maximum Shock		± 5000	Gpeak	± 49050	m/s <sup>2</sup> peak		
Temperature Range		-60 to +300	°F	-51 to +149	°C		
TEDS Operating Range		-40 to +185	°F	-40 to +85	°C		
Seal		Hermetic		Hermetic			
<b>ELECTRICAL</b>							
Supply Current Range [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+18 to +30	VDC	+18 to +30	VDC		
Output Impedance, Typ		100	Ω	100	Ω		
Bias Voltage		+7.5 to +9.5	VDC	+7.5 to +9.5	VDC		
Discharge Time Constant		0.3 to 2.0	Sec	0.3 to 2.0	Sec		
Isolation, Case to mounting surface, Min.		10	GΩ	10	GΩ		
TEDS Feature		IEEE 1451.4		IEEE 1451.4			