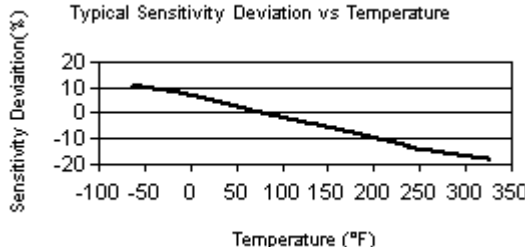


Model Number <b>352A21</b>		<b>ICP® ACCELEROMETER</b>		Revision: J ECN #: 42346	
<b>Performance</b>		<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>	
Sensitivity(± 15 %)		10 mV/g	1.0 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 500 g pk	± 4900 m/s² pk		
Frequency Range(± 5 %)		1.0 to 10,000 Hz	1.0 to 10,000 Hz		
Frequency Range(± 10 %)		0.7 to 13,000 Hz	0.7 to 13,000 Hz		
Frequency Range(± 3 dB)		0.3 to 20,000 Hz	0.3 to 20,000 Hz		
Resonant Frequency		≥ 50 kHz	≥ 50 kHz		
Broadband Resolution(1 to 10,000 Hz)		0.004 g rms	0.04 m/s² rms	[1]	
Non-Linearity		≤ 1 %	≤ 1 %	[2]	
Transverse Sensitivity		≤ 5 %	≤ 5 %		
<b>Environmental</b>					
Overload Limit(Shock)		± 10,000 g pk	± 98,000 m/s² pk		
Temperature Range(Operating)		-65 to +250 °F	-54 to +121 °C		
Temperature Response		See Graph	See Graph		
<b>Electrical</b>				<b>NOTES:</b>	
Excitation Voltage		18 to 30 VDC	18 to 30 VDC	[1] Typical.	
Constant Current Excitation		2 to 20 mA	2 to 20 mA	[2] Zero-based, least-squares, straight line method.	
Output Impedance		≤ 300 Ohm	≤ 300 Ohm	[3] See PCB Declaration of Conformance PS023 for details.	
Output Bias Voltage		7 to 12 VDC	7 to 12 VDC		
Discharge Time Constant		1.0 to 3.5 sec	1.0 to 3.5 sec		
Settling Time(within 10% of bias)		<3 sec	<3 sec		
Spectral Noise(1 Hz)		800 µg/√Hz	7840 (µm/sec²)/√Hz	[1]	
Spectral Noise(10 Hz)		250 µg/√Hz	2450 (µm/sec²)/√Hz	[1]	
Spectral Noise(100 Hz)		60 µg/√Hz	590 (µm/sec²)/√Hz	[1]	
Spectral Noise(1 kHz)		50 µg/√Hz	490 (µm/sec²)/√Hz	[1]	
Spectral Noise(10 kHz)		40 µg/√Hz	392 (µm/sec²)/√Hz	[1]	
<b>Physical</b>					
Size (Height x Length x Width)		0.14 in x 0.45 in x 0.25 in	3.6 mm x 11.4 mm x 6.4 mm		
Weight		0.02 oz	0.6 gm	[1]	
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Epoxy	Epoxy		
Electrical Connector		3-56 Coaxial Jack	3-56 Coaxial Jack		
Electrical Connection Position		Side	Side		
Mounting		Adhesive	Adhesive		
		<div><div>CE</div><div>[3]</div></div> <div><div>Typical Sensitivity Deviation vs Temperature</div><div></div></div>			
		<div><b>SUPPLIED ACCESSORIES:</b> Model 030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1) Model 039A27 One-piece removal tool for Models 352C22, 357C10, 352A21, &amp; 357A09 (1) Model 080A109 Petro Wax (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)</div>			
Entered: AP		Engineer: JJB		Sales: WDC	Approved: JJB
Date: 12/16/2013		Date: 12/16/2013		Date: 12/16/2013	Date: 12/16/2013
					<b>11544</b>
		<div><div>PCB</div><div>PIEZOTRONICS</div><div>3425 Walden Avenue, Depew, NY 14043</div></div>		<div><div>Phone: 716-684-0001</div><div>Fax: 716-684-0987</div><div>E-Mail: info@pcb.com</div></div>	

All specifications are at room temperature unless otherwise specified.

In the interest of constant product improvement, we reserve the right to change specifications without notice.

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