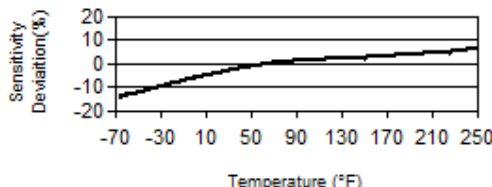


Model Number 355A44		ICP® ACCELEROMETER		Revision: A ECN #: 48067		
Performance		ENGLISH	SI	OPTIONAL VERSIONS		
Sensitivity(± 10 %)		10 mV/g	1.02 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
Measurement Range		± 500 g pk	± 4905 m/s² pk			
Frequency Range(± 5 %)		1 to 5500 Hz	1 to 5500 Hz			
Frequency Range(± 10 %)		0.8 to 15,000 Hz	0.8 to 15,000 Hz			
Frequency Range(± 3 dB)		.5 to 22,000 Hz	.5 to 22,000 Hz			
Resonant Frequency		≥ 45 kHz	≥ 45 kHz			
Broadband Resolution(500 to 50,000 Hz)		0.001 g rms	0.01 m/s² rms			[1]
Non-Linearity		≤ 1 %	≤ 1 %			[2]
Transverse Sensitivity		≤ 5 %	≤ 5 %			
Environmental						
Overload Limit		± 5000 g pk	± 49,050 m/s² pk			
Temperature Range		-65 to +250 °F	-54 to +121 °C			
Temperature Response		See Graph	See Graph			
Base Strain Sensitivity		≤ 0.08 g/με	≤ 0.8 (m/s²)/με	[1]		
Electrical						
Excitation Voltage		20 to 30 VDC	20 to 30 VDC			
Constant Current Excitation		2 to 20 mA	2 to 20 mA			
Output Impedance		≤ 300 Ohm	≤ 300 Ohm			
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC			
Discharge Time Constant		0.4 to 1.5 sec	0.4 to 1.5 sec			
Settling Time(within 10% of bias)		≤ 15 sec	≤ 15 sec			
Spectral Noise(10 Hz)		10 μg/√Hz	98 (μm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)		5 μg/√Hz	47 (μm/sec²)/√Hz	[1]		
Spectral Noise(1 kHz)		5 μg/√Hz	47 (μm/sec²)/√Hz	[1]		
Spectral Noise(10 kHz)		5 μg/√Hz	47 (μm/sec²)/√Hz	[1]		
Electrical Isolation(Case)		≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm			
Physical						
Size (Height x Length x Width)		.32 in x 0.94 in x 0.46 in	8.1 x 23.8 mm x 11.7 mm			
Weight(without cable)		.13 oz	3.6 gm	[1]		
Sensing Element		Ceramic	Ceramic			
Sensing Geometry		Shear	Shear			
Housing Material		Titanium	Titanium			
Sealing		Hermetic	Hermetic			
Electrical Connector		Sealed Integral Cable	Sealed Integral Cable			
Electrical Connection Position		Side	Side			
Cable Termination		Pigtail Ends	Pigtail Ends			
Cable Length		20.0 ft	6.1 m			
Cable Type		2-cond Shld, 26 AWG, XLETFE Jacket	2-cond Shld, 26 AWG, XLETFE Jacket			
Mounting		Through Hole	Through Hole			
Mounting Torque		1 to 2 in-lb	11 to 23 N-cm			
		Typical Sensitivity Deviation vs Temperature 				
 [3]						
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. ICP® is a registered trademark of PCB Group, Inc.  Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043						
Entered: LK		Engineer: RB		Sales: RWM		
Date: 3/29/2018		Date: 3/29/2018		Date: 3/29/2018		
Approved: BAM		Spec Number:		68116		