Model Number 333B	ICP® ACCELEROMETER				
Performance	<u>ENGLISH</u>	<u>SI</u>		1	
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s²)		Optional version	
Measurement Range	± 50 g pk	± 490 m/s² pk		Optional version	
Frequency Range(± 5 %)	2 to 1000 Hz	2 to 1000 Hz			
Resonant Frequency	≥ 5 kHz	≥ 5 kHz		T - TEDS Capal	
Phase Response(± 5 °)	2 to 1000 Hz	2 to 1000 Hz			
Broadband Resolution(1 to 10,000 Hz)	0.00007 g rms	0.0007 m/s ² rms	[1]	TLA - TEDS LI	
Non-Linearity	≤ 1 %	≤ 1 %	[2]	TLB - TEDS LI	
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]	TLC - TEDS LI	
Environmental	0500	04.000 4.3.4		TLD - TEDS C	
Overload Limit(Shock)	± 3500 g pk	± 34,300 m/s ² pk		Output Bias Volt	
Temperature Range	0 to 150 °F	-18 to +66 °C		Cutput Blue Volt	
Temperature Response	0.15 %/°F	0.27 %/°C	[1]		
Electrical	40.100.1/D.0	101-001/00			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		NOTES:	
Constant Current Excitation	2 to 20 mA	2 to 20 mA		[1]Typical.	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm		[2]Zero-based, lea	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		[3]Transverse sen	
Discharge Time Constant	0.7 to 1.3 sec	0.7 to 1.3 sec			
Spectral Noise(10 Hz)	4.3 μg/√Hz	42.1 (µm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)	1.3 μg/√Hz	12.8 (µm/sec ²)/√Hz	[1]	SUPPLIED AC	
Spectral Noise(1 kHz)	0.6 μg/√Hz	5.9 (µm/sec²)/√Hz	[1]	Model ACS-2 NIS	
Physical					
Size (Diameter)	0.48 in	12.2 mm			
Weight	0.2 oz	5.6 gm	[1]	Entered: LK	
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear	Shear		Date: 6/1/2016	
Housing Material	Polymer	Polymer			
Sealing	Hermetic	Hermetic			
Electrical Connector	3-Pin Socket	3-Pin Socket			
All specifications are at room temperature unless o	therwise specified.			WDCD	

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

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Model Number

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

TLA - TEDS LMS International - Free Format

TLB - TEDS LMS International - Automotive Format

TLC - TEDS LMS International - Aeronautical Format

TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Output Bias Voltage 8.5 to 13 VDC 8.5 to 13 VDC

NOTES:

[2]Zero-based, least-squares, straight line method.

[3]Transverse sensitivity is typically ≤ 3%.

SUPPLIED ACCESSORIES:

Model ACS-2 NIST Traceable single point (100 Hz) sensitivity. (1)

Entered: LK	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:
Date: 6/1/2016	Date: 6/1/2016	Date: 6/1/2016	Date: 6/1/2016	5926



Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com

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