

Model Number 426B02	IN-LINE ICP™ A-WEIGHT FILTER		Revision: C ECN #: 29545										
Performance	ENGLISH	SI	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.										
Gain(re 1 kHz)	± 0.3 dB	± 0.3 dB [3]											
Frequency Response(± 0.5 dB)(A-weighted, re 1 kHz)	50 to 8000 Hz	50 to 8000 Hz [3]	NOTES: [1] Typical. [2] For best performance, filter should be connected directly to the microphone preamplifier. [3] Measured with an 18 pF reference microphone and preamplifier. [4] See PCB Declaration of Conformance PS075 for details.										
Frequency Response(± 1.0 dB)(A-weighted, re 1 kHz)	20 to 20,000 Hz	20 to 20,000 Hz [3]											
Electrical Noise(Flat 20 Hz to 20 kHz)	<25 µV	<25 µV [3]											
Electrical Noise(1 kHz, 1/3 octave band)	<2.8 µV	<2.8 µV [3]											
Distortion(2 V rms input at 1 kHz)	<-57 dB	<-57 dB											
Environmental													
Temperature Range(Operating)	-40 to +149 °F	-40 to +65 °C											
Temperature Response	± 0.5 dB	± 0.5 dB											
Humidity Range(Non-Condensing)	0 to 95 %RH	0 to 95 %RH											
Humidity Sensitivity	± 0.5 dB	± 0.5 dB											
Electrical													
Excitation Voltage(Required)	24 to 32 VDC	24 to 32 VDC											
Constant Current Excitation(Required)	4 to 20 mA	4 to 20 mA	[1][2]										
Constant Current Excitation(To Preamplifier)	0.75 mA	0.75 mA											
Impedance(Input)	30 kohm	30 kohm	[1]										
Impedance(Output)	50 ohm	50 ohm	[1]										
Output Voltage(Maximum)	3.5 Vpk	3.5 Vpk											
Physical													
Housing Material	Stainless Steel	Stainless Steel											
Size (Diameter x Length)	0.57 in x 3.66 in	14.5 mm x 93 mm											
Electrical Connector(Input)	BNC Plug	BNC Plug											
Electrical Connector(Output)	BNC Jack	BNC Jack											
 [4] 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.													
<table border="1"> <tr> <td>Entered: <i>BLS</i></td> <td>Engineer: <i>JE</i></td> <td>Sales: <i>MV</i></td> <td>Approved: <i>EB</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>10-17-08</i></td> <td>Date: <i>10-13-08</i></td> <td>Date: <i>10-15-08</i></td> <td>Date: <i>10-16-08</i></td> <td>21495</td> </tr> </table>  PCB PIEZOTRONICS™ VIBRATION DIVISION 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com				Entered: <i>BLS</i>	Engineer: <i>JE</i>	Sales: <i>MV</i>	Approved: <i>EB</i>	Spec Number:	Date: <i>10-17-08</i>	Date: <i>10-13-08</i>	Date: <i>10-15-08</i>	Date: <i>10-16-08</i>	21495
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