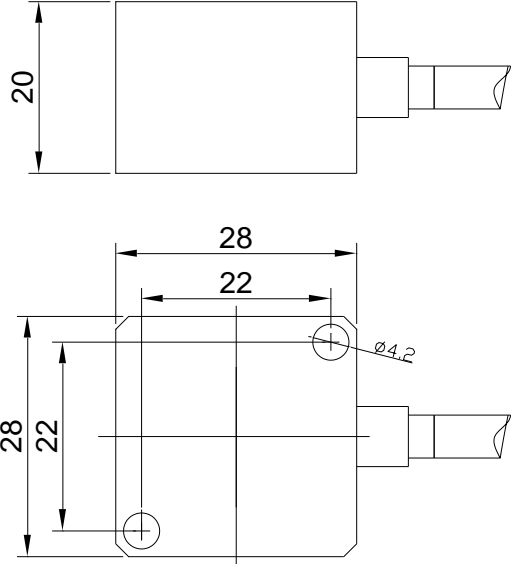




Product Model: <b>MM183A series</b>	<b>MEMS Accelerometer(DC Response)</b>		Version: <b>A</b> Date: <b>20/06/2024</b>																
<p>Uses:</p> <ul style="list-style-type: none"> <li>•Low-frequency, motion and tilt measurements</li> <li>• Flight testing</li> <li>• Road load testing</li> <li>• Transportation</li> <li>• Modal analysis</li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>• High temperature stability</li> <li>• Hermetically sealed</li> <li>• Low power consumption</li> </ul> 	<table border="1"> <thead> <tr> <th>Performance</th> <th>MM183A20</th> </tr> </thead> <tbody> <tr> <td>Sensitivity (<math>\pm 10\%</math>)</td> <td>100 mV/g</td> </tr> <tr> <td>Measurement Range</td> <td><math>\pm 20</math> g</td> </tr> <tr> <td>Resolution</td> <td>10 mg rms</td> </tr> <tr> <td>Frequency Range(<math>\pm 5\%</math>)</td> <td>0-300 Hz</td> </tr> <tr> <td>Non-linearity</td> <td><math>\leq 1</math> %</td> </tr> <tr> <td>Transverse Sensitivity</td> <td><math>\leq 5\%</math></td> </tr> <tr> <td>Overload Limit (Shock)</td> <td><math>\pm 3000</math>g</td> </tr> </tbody> </table>	Performance	MM183A20	Sensitivity ( $\pm 10\%$ )	100 mV/g	Measurement Range	$\pm 20$ g	Resolution	10 mg rms	Frequency Range( $\pm 5\%$ )	0-300 Hz	Non-linearity	$\leq 1$ %	Transverse Sensitivity	$\leq 5\%$	Overload Limit (Shock)	$\pm 3000$ g	<p><b>The MEMS Accelerometer</b>, are DC response accelerometers. Designed to measure low-frequency vibration down to DC. The sensing element offers a wide dynamic range and very stable frequency response even after subjection to high shock levels. It features an integral cable that terminates with a LEMO 7 pin connector associated with MM3832 (signal conditioner). The housing material is titanium</p> 	
	Performance	MM183A20																	
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	Overload Limit (Shock)	$\pm 3000$ g																	
	Temperature Range	-40 ~+85 °C																	
	Excitation Voltage	+9~+15 VDC																	
	Excitation Current	$\leq 5$ mA																	
	Size mm	As left figure																	
	Weight	~25 g																	
Mounting	(2) $\Phi 4$ (Thru-hole)																		
Output Impedance	$\leq 100$ $\Omega$																		
Output Connector	Integral Cable																		
Housing Material	Titanium																		
Sealing	Welded																		
		 <p style="text-align: center;"><b>Metromatics</b> ABN: 47 007 346 287</p>																	
Accessories	<ol style="list-style-type: none"> <li>1. Integral cable (5 cores) 1ea 3m</li> <li>2. Certificate of inspection 1ea</li> <li>3. M4 stud 2ea</li> </ol>		<p>25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA  <a href="http://www.metromatics.com.au">www.metromatics.com.au</a>      <a href="mailto:sales@metromatics.com.au">sales@metromatics.com.au</a>  Brisbane: +61 7 3868 4255    I    Sydney: +61 2 9460 4355  Melbourne: +61 3 9872 4592</p>																
Remark																			

