

The Inertial Measurement Unit (IMU) measures acceleration and angular rate for all three orthogonal axes at a sampling frequency of 200Hz and outputs the data via CAN 2.0A 1 Mbits/S



## SENSOR SPECIFICATIONS

Acceleration Measurement Range	$\pm 2g$ / $\pm 4g$ / $\pm 8g$ (default) / $\pm 16g$
Angular Rate Measurement Range	$\pm 245dps$ (default) / $\pm 500dps$ / $\pm 2000dps$
Acceleration Accuracy	< 1% FS
Angular Rate Accuracy	< 1.5% FS
Package Temperature Range	-20°C to 85°C
Sampling Frequency	200Hz
Low-Pass Cutoff Frequency	80Hz

## ELECTRICAL SPECIFICATIONS

Supply Voltage, $V_s$	5 to 8 V
Supply Current, $I_s$ (typ)	25 mA
Features	<ul style="list-style-type: none"> <li>• Reverse polarity protection</li> <li>• Over-temperature protection (125°C)</li> </ul>

## MECHANICAL SPECIFICATIONS

Weight	< 5 g
L x W x H (max)	36 x 18 x 3.5 mm
Protection Rating	IP64