

K-UAS

Gyro Assisted Compass



K-UAS Sensor

High performance Heading, Bank and Elevation

K-UAS is a high-accuracy, high-performance Digital Magnetic Compass (DMC) sensor. It measures bank (roll), elevation (pitch), and heading (yaw) angles. K-UAS can accurately calculate heading even under severe magnetic interference and disturbances. Moreover, unlike conventional DMC systems, K-UAS delivers superior performance in dynamic operating conditions.

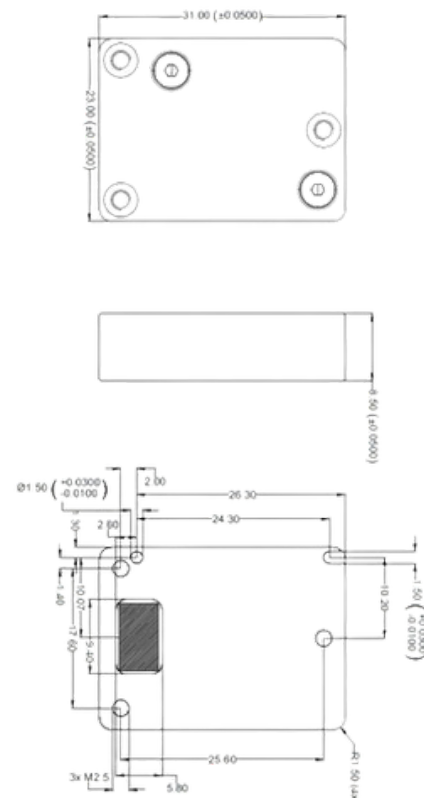
- **Fully compensated magnetometer, less affected by magnetic field disturbances or ferromagnetic materials.**
- **Suitable for dynamic systems under acceleration thanks to its sensor fusion filters and algorithms.**
- **Numerous modes, settings and options for utilization with great flexibility**

Roll/Pitch Accuracy	Heading Accuracy
0.1° RMS	0.25° RMS

K-UAS SPECIFICATONS

SYSTEM PERFORMANCE PARAMETERS	
	K-UAS
Roll/Pitch Accuracy	0.1° RMS
Heading Accuracy*	0.25° RMS
Pitch/Roll Operational Range	- 90° / + 90°
Drift Rate	0 deg/h

PHYSICAL AND ELECTRICAL PROPERTIES	
Communications Interface	UART (TTL)
Power Supply	5.0 V (± %5)
Dimensions	31x23x8.5 mm
Sampling Rate	1 to 50 Hz
Weight	< 11 gr
Power Consumption	160 mW
Operating Temperature	-32°C to 65°C



Mechanical drawing dimensions are in mm