

Three–Axis Magnetometer (TAM) for Satellite MS-22



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Three-Axis Magnetometer (TAM)

MS-22

Measurement of earth magnetic field

Product has light weight and low power consumption, and useful for satellite.

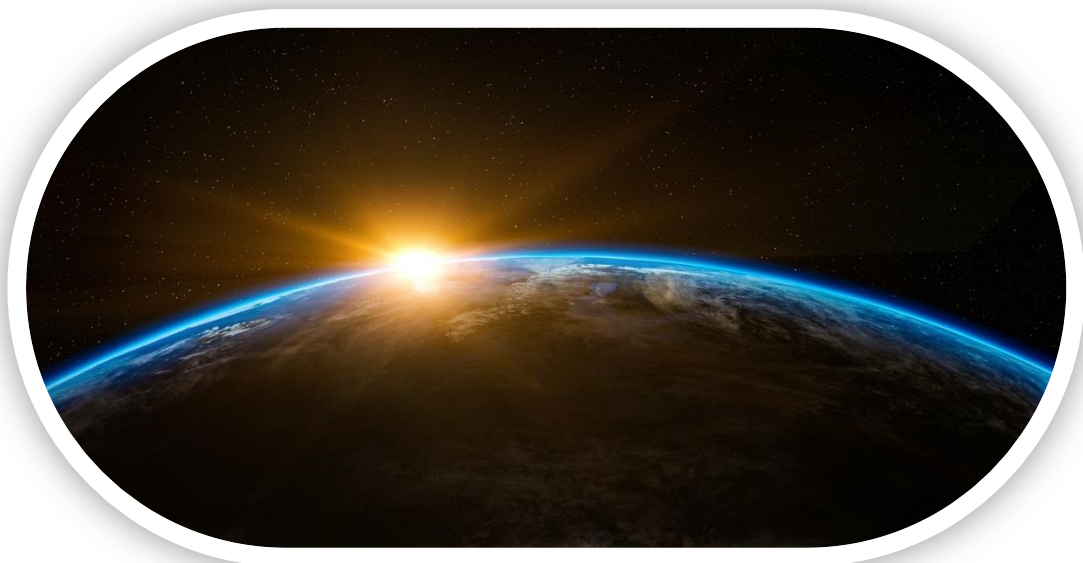


Applications

- The sensors used to control attitude of the satellite.

Characteristic

- Attitude sensing by measurement 3-axis components of earth magnetic field.
- Products of light weight and low power consumption.



Specification

MS-22	
Measuring range	$\pm 60 \mu\text{T}$
Resolution	10 nT
Sensitivity	0.06 V/ μT
Linearity	$\pm 0.1 \%$
Axis alignment	Max. $\pm 1^\circ$
Bandwidth	10 Hz
Input Voltage	+/-15 V
Power consumption	< 1.1 W

Operating environment and Mechanical

Operating Temp.	-40°C ~ +53°C
Dimension (mm)	50 X 155 X 35 (± 0.2)
Total weight (g)	< 350
Coating	Chromate or anodizing
Connector	DEMM9PNMBK52