

Three–Axis Magnetometer (TAM) for Satellite MS-15



Tel. +82-42-933-0877
E-mail: sensorpia@sensorpia.co.kr
www.sensorpia.co.kr
Yuseong-daero 1596-64, Yuseong-Gu,
Daejeon City 34054, Republic of Korea

Three-Axis Magnetometer (TAM) MS-15

Measurement of earth magnetic field

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

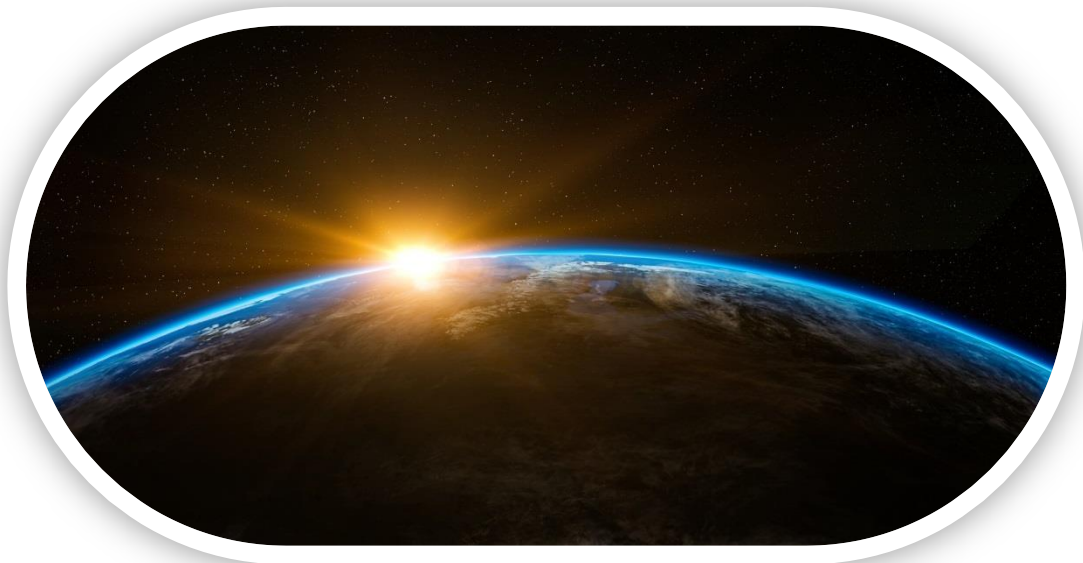


Applications

- The sensors used to control attitude of the satellite.

Characteristic

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



Specification

MS-15	
Measuring range	$\pm 60 \mu\text{T}$
Resolution	0.01 nT
Communication interface	RS-422
Linearity	$\pm 0.1 \%$
Axis alignment	Max. $\pm 1^\circ$
Bandwidth	10 Hz
Input Voltage	$15 \pm 2 \text{ V}$
Power consumption	$< 1.3 \text{ W}$

Operating environment and Mechanical

Operating Temp.	$-40^\circ\text{C} \sim +53^\circ\text{C}$
Dimension (mm)	35 X 112 X 35 (± 0.2)
Total weight (g)	< 250
Coating	Chromate or anodizing
Connector	DEMM9PNMBK52