



Micro Magnetic Torquer

SKU 007

Description

The micro magnetic torquer (MMT) which is one part of actuating mechanism in Attitude and Orbit Control Systems of satellites, can be used on the CubeSat, nanosat and small satellites. Advanced technology and materials ensure the high performance, and mature process, manufacture, test lead to high reliability. MMTs were utilized on many micro and nano-satellites.

We can product MT range from 0.5Am² to 4000Am². There are totally more than 400 MTs which have been used on LEO, MEO, IGSO and GEO satellites with no orbit failure.

Characteristics

	GMAT-0.5	GMAT-1	GMAT-10	GMAT(I)-10
Mass (kg)	0.04	0.05	0.21	0.66
Dimensions (mm)	∅11x90	∅11x115	245x50x36	245x61x53
Max Power (W)	0.25	0.25	1.0	1.4
Saturation Dipole Moment (Am ²)	0.5	1.0	10.0	10.0
Residual Moment (Am ²)	0.01	0.01	0.1	0.1
Linearity	1%	1%	1%	1%
Operation Temperature (C)	-25 to 60	-25 to 60	-25 to 60	-25 to 60
Radiation Dose (krad)	> 100	> 100	> 100	> 100
Application	Pico and Nano Satellites	Pico and Nano Satellites	Micro Satellites	Micro Satellites

Features

- High saturation magnetic moment
- Low residual moment
- Excellent linearity
- Low Power
- Low mass
- High reliability
- Simple structure