

SPACECRAFT SYSTEMS

Micro Magnetic Torquer

The magnetic torquer is an essential actuator in satellite attitude control systems.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-GMAT-0.5 / C-GMAT-1 / C-GMAT-10 / CGMAT(I)-10
Magnetic Moment	0.5 A·m ² / 1 A·m ² / 10 A·m ²
Flight Heritage	2015–2019 (multiple flight missions)
Application	Pico- and microsatellites

Quick Overview

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Key Specifications

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Key Features

- Low-cost design and implementation.
- Small residual magnetic moment and high linearity.
- Lightweight, compact, and low power consumption.
- Excellent adaptability to space environmental conditions.

Applications

- Used for magnetic attitude control and momentum unloading in pico- and microsatellite attitude control subsystems.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)