

MITE SERVO DRIVE MODULE SERIES



150+ Configurations

Specifications

Bus Voltage (DC)	10V-170V
Peak Motor Current	Up to 80A
Output Power	2kW
Temperature	-40°C to 71°C -55°C to 100°C (Extended)
Electrical Speed	Up to 75,000 RPM
Weight <i>Single Axis</i> <i>Dual Axis</i>	1.9 oz (53.9g) 3.7 oz (105g)
Size <i>Single Axis</i> <i>Dual Axis</i>	2.0" L x 1.8" W x 0.8" H 2.0" L x 3.0" W x 0.6" H

Compact High-Power Density Module

The Mite control module is perfect for precision military, aviation, space systems and other specialized applications where size and weight are critical. The tiny single-axis Mite packs incredible power into a small package.

Highlights

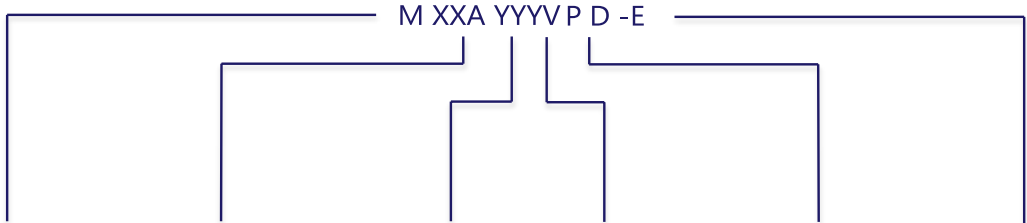
- Wide temperature range
- Aerospace ready
- Compact size
- Single and dual-axis configurations available
- High-power density
- Configurable, user-friendly GUI with built-in scope features

Applications

- Gimbals & antenna positioners
- Missiles & armaments
- Satellites
- Unmanned systems
- Robotics

Ordering Information

SERVO DRIVE ORDERING INFORMATION



Servo Drive	Continuous Motor Current*	Voltage	Case	Configuration	Options
M – Mite	01-1A	012-12V	P-Potted	S-Single-axis	- E-Extended Operating Temperature
	02-2A	028-28V	Plastic	D-Dual-axis	
	05-5A	048-48V		P-Single-paralleled axes** (80A maximum)	- I-Include I/O PCBA
	10-10A	075-75V			
	20-20A	170-170V			
	40-40A				

* Peak of sine wave
 ** 2 X Continuous Current
 Current and voltage values are nominal, refer to the Installation Manual for the full operational range.

Example:
Part Number: M10A048VPD-E-I
 Servo Drive: Mite
 Continuous Current: 10A
 Nominal Voltage: 48V
 Case: Potted Plastic
 Configuration: Dual Axis
 Options:
 -Extended Operating Temperature
 -Include I/O PCBA



Single-axis Mite
 2.0”L x 1.76”W x 0.77” H



Dual-axis Mite
 2.0”L x 3.0”W x 0.6” H