

Key Features:

- ◆ Operating Voltage: 24V-60V DC
- ◆ Output Current: Peak 1A-5A
- ◆ Repetitive Tracking Error: 1 pulse
- ◆ Speed Control Accuracy: ± 1 RPM
- ◆ Reception Frequency Range: 500 kHz
- ◆ Maximum Rotational Speed: 5000 RPM
- ◆ Minimum Rotational Speed: 1 RPM
- ◆ Positioning Accuracy: Incremental type 1/10,000, Absolute type 1/131,072
- ◆ Maximum No-load Acceleration: 200 RPM/ms
- ◆ Rated Speed: 3000 RPM (Supports up to 5000 RPM)
- ◆ Control Modes: External pulse, analog input, RS485 communication, supporting position, speed, and torque control modes
- ◆ Parameter Configuration: Via RS232 communication and PC configuration software; supports parameter backup and import.
- ◆ Protection Functions: Undervoltage, Overvoltage, Overload, Overcurrent, Excessive Position Deviation, Encoder Fault; Alarm Output.
- ◆ Compatible Motors: 50W-100W low-voltage DC servo motors (24V-60V), Brushless DC Motors (BLDC) with encoder, or Coreless Motors.

Port / Interface Functional Description:

- ✧ External Analog Potentiometer Input
- ✧ Encoder Incremental Differential Signal Input
- ✧ Brake / Holding Brake Output
- ✧ Differential Enable Input (Servo ON/OFF)
- ✧ RS485 Communication Bus Interface
- ✧ Braking Resistor Connection (for dynamic braking)
- ✧ Differential Direction Input
- ✧ CAN Communication Bus Interface
- ✧ Absolute Encoder Communication Interface
- ✧ Encoder Differential Output
- ✧ Fault Alarm Indicator
- ✧ Differential Pulse Signal
- ✧ Positive Limit Switch Input
- ✧ Alarm Reset Input
- ✧ Negative Limit Switch Input

