

MX-12W

Parts Photo



[MX-12W]

H/W Specification

- MCU : ST CORTEX-M3 (STM32F103C8 @ 72MHZ,32BIT)
- POSITION SENSOR : Contactless absolute encoder (12BIT,360 DEGREE)
 - Maker : ams (www.ams.com), Part No : AS5045
- MOTOR : Cored Motor
- BAUD RATE : 8000 bps ~ 4.5 Mbps
- CONTROL ALGORITHM : PID CONTROL
- Resolution : 0.088°
- Running Degree
 - - 0° ~ 360°
 - Endless Turn
- Weight : 54.6g
- Dimension : 32mm x 50mm x 40mm
- Gear Reduction Ratio : 32 : 1
- No load speed : 470rpm (at 12V)
- Running Temperature : -5℃ ~ +80℃

- **Voltage : 10 ~ 14.8V (Recommended Voltage 12V)**
- Command Signal : Digital Packet
- Protocol Type : Half duplex Asynchronous Serial Communication (8bit,1stop, No Parity)

- Link (Physical) : TTL Level Multi Drop (daisy chain type Connector)
- ID : 254 ID (0~253)
- Feedback : Position, Temperature, Load, Input Voltage, etc.
- Material : Engineering Plastic
- Standby current : 60 mA

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