

86SERVO

T120



- ▶ 12N-m & 110RPM output
- ▶ POSITION, SPEED and CURRENT control with/without trajectory tracking
- ▶ 16,384PPR absolute + 904K PPR relative encoder
- ▶ 32bit multi turn control range
- ▶ Dual port 6Mbps RS-485 with Modbus[®]
- ▶ EtherCAT module available
- ▶ 44 (W) x 44 (H) x 60 (L) mm

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Processor

DMP Vortex86EX2 533MHz+300MHz 32-bit x86

Position Sensor

Contactless absolute encoder (16,384PPR)

Optical encoder (904,396PPR)

Communication

RS485 x 2 ports, 6Mbps

Gear Box Backlash

<2 arcmin (0.033°)

Command Protocol

Modbus RTU / EtherCAT(optional)

Weight

250g

Dimension

44(W) x 44(H) x 60(L)mm

Rotational Range

0°~ 360°, endless turn

Motor

DMP high performance slotless brushless DC motor (240W)

Gear Reduction Ratio

110.4 : 1

Peak Torque

12 N-m (117.6 Kgf-cm) @24V

Max Speed

110 rpm @24V

Operating Temperature

-40°C ~ +85°C

Standby Current

50mA

Voltage

Recommended DC 24V

Material

Metal gear, aluminum alloy case



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