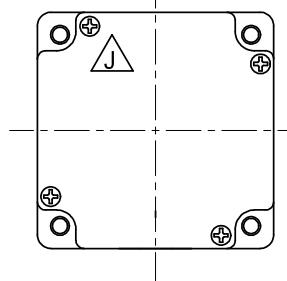


RoHS

A



B

ENCODER SPECIFICATIONS

ENCODER TYPE	Incremental
POWER SUPPLY	5.00 Vdc
RESOLUTION	1000 ppr
OUTPUT TYPE	Line Driver

C

MOTOR SPECIFICATIONS

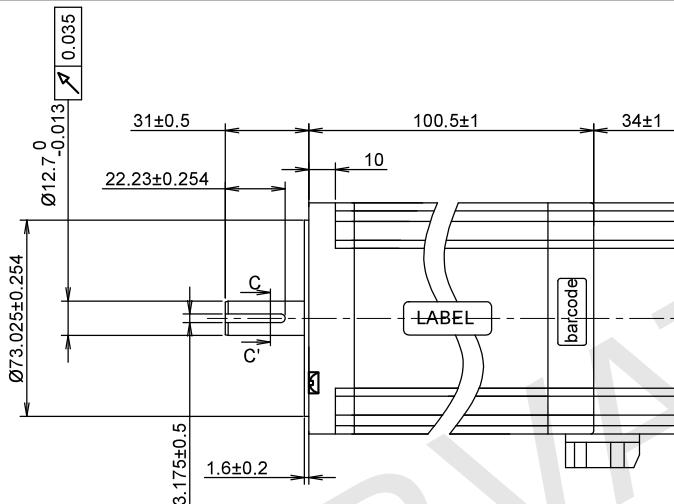
STEP ANGLE	1.8° ±5%
RATED CURRENT	10.0 Amps/Ph
HOLDING TORQUE	9.60 Nm Min.

D

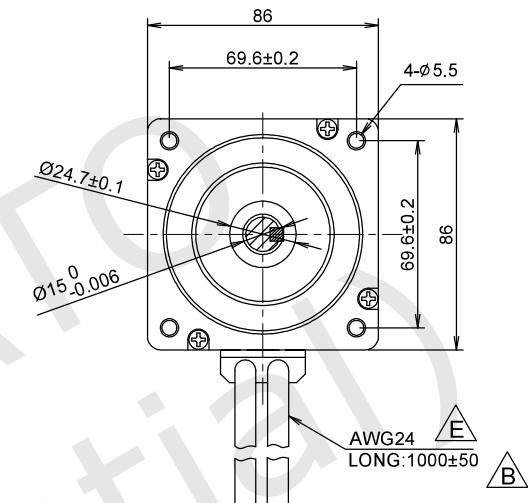
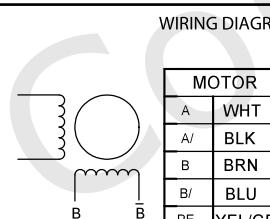
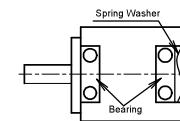
RESISTANCE	0.31ohm ±0.1 at 25°C
INDUCTANCE	1.80 mH ±20% at 1kHz, 1Vrms
ROTOR INERTIA	1900 g.cm²
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	750 Vac 1 minute
IP CODE	IP40
PULL OUT TORQUE	---

E

BACK EMF	---
DETENT TORQUE	---
WEIGHT	2300 g. approx
TEMPERATURE RISE	80K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
SHAFT AXIAL LOAD	60 N
SHAFT RADIAL LOAD	220 N (ON FRONT SHAFT END)



C-C' VIEW

UL2517 AWG20
LONG:1000±50AWG24
LONG:1000±50

ENCODER	
RED	5Vdc
BLU	Z
YEL	B
GRY	A
BLK	GND
PUL	Z/
GRN	B/
PIK	A/

EXCITING SEQUENCE(TWO PHASES) VS.DIRECTION OF ROTATION

STEP	A	B	Ā	Ā
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

CCW

↑

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

YYWWXXXXX

Stator barcode label
(25 x 8)

ever Code: MT34HE38100E4K1

Rated Current: 10.0 A

Rated Voltage: 140 Vdc

Insulation class: Class B

Holding torque: 9.6 Nm

Rated ambient temperature: 50°C

Max speed: 3000 rpm

CE

Lot #: Made in China

Changzhou Ever Electronics Motion Technology Co., Ltd

(40)

UNIT: mm
UNLESS OTHERWISE SPECIFIED TOLERANCES
DIMENSIONS : ±0.3 mm DEGREES : ±5%
GEOMETRICAL TOLERANCE FOR FEATURES WITHOUT INDIVIDUAL
TOLERANCE INDICATIONS:GB/T 1184-K EQU ISO 2768-2-K
ORTHOGRAPHIC PROJECTION

DRAWING NOT TO SCALE

REV

- 00b - Modified the cable length.
- 00c - Changed the encoder connector shell and resistance value.
- 00d - Changed the encoder connector shell and lead wires type.
- 00e - Changed the leadwire of the encoder from AWG26 to AWG24
- 00f - Modify the encoder connection pin definition.
- 00h - Swap the lead wires colours of the pins.
- 00i / 01i / 01j / 02j - Removed the connectors and add the company logo on label and change screw position.

SPECIFICATION

Stm02886-02j

DESIGNER

Ever China

CHECK

Mario Bianchi

APPROVED

Matteo Caldi

DATE

01 / 12 / 2025

MT34HE38100E4K1

STEPPING MOTOR SPECIFICATION

ever
e-MOTION SOLUTIONS
www.everelectronica.it

Mod. 8.2-5 Rev.02