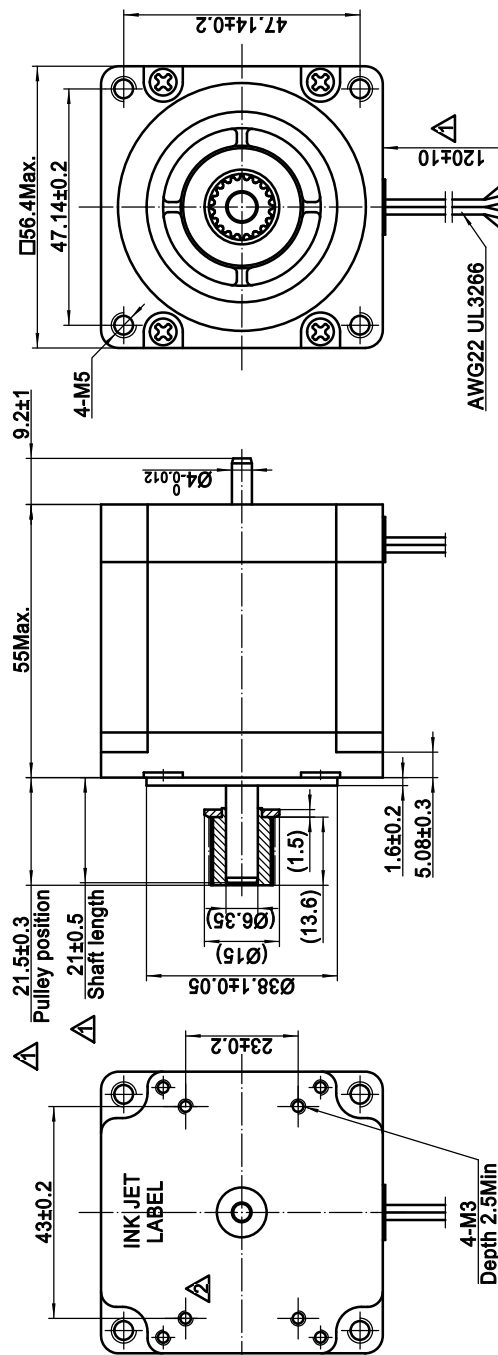


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规格 Specifications

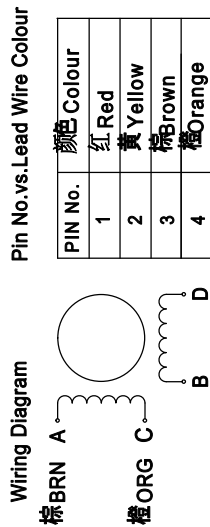
1. 相数 Number of Phase	2
2. 步距角 Step Angle	0.9°
3. 额定电压 Rated Voltage	3.56V DC
4. 额定电流 Rated Current	2.2Amp
5. 保持转矩 Holding Torque	1.5Nm Typ. (Two phase on/rated current)
6. 相电阻 Phase Resistance	1.62ohm $\pm$ 10%(20°C)
7. 相电感 Phase Inductance	10.5mH $\pm$ 20%(1kHz 1V rms)
8. 转子惯量 Rotor Inertia	220gcm ²
9. 电机重量 Motor Weight	0.6kg
10. 绝缘等级 Insulation Class	B (130°C)

带轮规格 Pulley Specification

齿型 Profile	MXL
齿数 Number of teeth	20
节距 Pitch	2.032
节圆 Pitch diameter	$\varnothing 12.94$
齿顶 Outside diameter	$\varnothing 12.43_0^{+0.05}$
材料 Material	HPb59-1

Housing: JST XHP-4
Terminal: JST SXH-001T-P0.6 4321 — PIN No.

接线图



励磁顺序 vs. 旋转方向

Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	
1	+	+	-	-	CCW
2	-	+	+	-	
3	-	-	+	+	CW
4	+	-	-	+	

从安装面看为顺时针方向

Clockwise view from mounting side

铭牌 Label Detail

MOONS' STEPPING MOTOR
TYPE MS23HA8L4220-02
XXXXXXXX YY/MM/DD

Work Order
加单号

Date Format
日期格式

备注 Comment:

- 1: 后盖密封垫增加 3698151100075 绝缘垫片 (Add 3698151100075 Insulating gaskets to the back end cover cavity)
- 2: 轴承油温范围 40~150℃ (Bearing grease temperature tolerance range - 40 ~150℃)

Unit: mm
第一角画法
FIRST ANGLE METHOD
未注公差与尺寸公差
To be noted tolerance and angular dimensions without individual tolerance indication
GB/T 1804-2000 eqv ISO 2768-1 C
未注形位公差与尺寸公差
Geometrical tolerance for features without individual tolerance indication
GB/T 1184-K eqv ISO 2768-2 K

批准 Approve

标准 Standard

工艺 Technology

审核 Check

设计 Design

日期 DATE

签名 SIGNATURE

名称 NAMES

5

MOONS'

Shanghai Moons' Electric Co., Ltd.

Hybrid Stepping Motor

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Type: MS23HA8L4220-02

Rev.E

SCALE 1:1

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