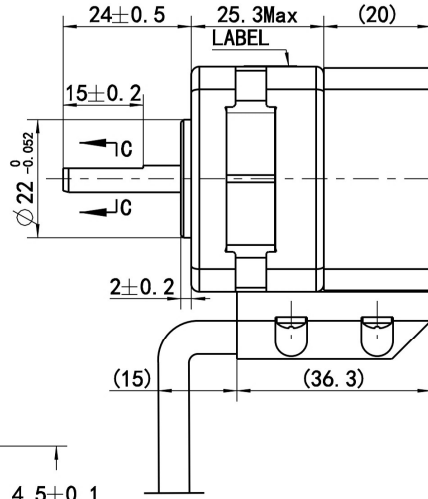
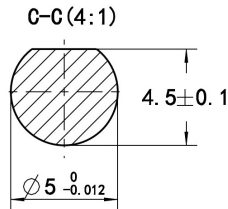
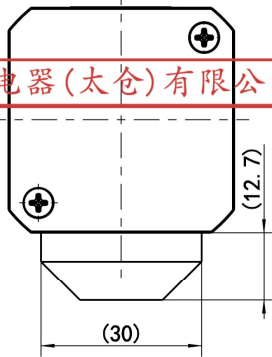
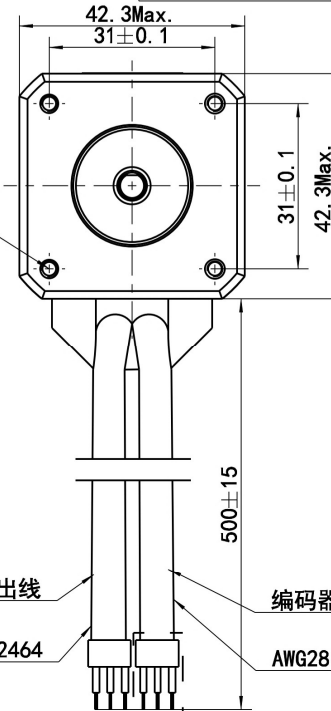


受 控 文 件

鸣志电器(太仓)有限公司



4-M3  
Depth 2.5Min.

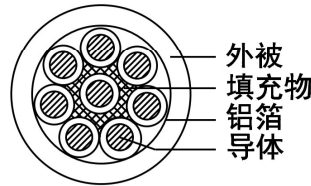


ESD BAG  
防静电袋

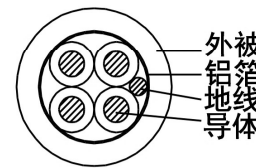
编码器 Encoder detail  
分辨率: 1024线

| COLOR  | WHT (白) | BLU (蓝) | GRN (绿) | ORG (橙) |
|--------|---------|---------|---------|---------|
| SIGNAL | CH A+   | CH A-   | CH B+   | CH B-   |
| COLOR  | YEL (黄) | BRN (棕) | RED (红) | BLK (黑) |
| SIGNAL | CH Z+   | CH Z-   | +Vcc    | GND     |

编码器电缆线断面

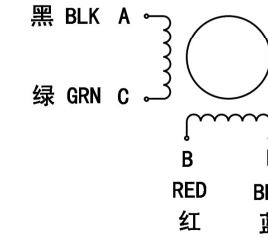


电机电缆线断面



MS17HD5L4100-04R

接线图  
Wiring Diagram



励磁顺序VS. 旋转方向  
Exciting Sequence vs. Direction of Rotation

| STEP | A | B | C | D | CCW |
|------|---|---|---|---|-----|
| 1    | + | + | - | - | ↑   |
| 2    | - | + | + | - |     |
| 3    | - | - | + | + |     |
| 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 MS17HD5L4100-04R  
XXXXXXXX YY/MM/DD

Work Order Date Format  
加工单号 日期格式

### 规格 Specifications

|                           |                                           |
|---------------------------|-------------------------------------------|
| 1. 相数 Number of Phase     | 2                                         |
| 2. 步距角 Step Angle         | 1.8°                                      |
| 3. 额定电压 Rated Voltage     | 3.2 V DC                                  |
| 4. 额定电流 Rated Current     | 1 Amp                                     |
| 5. 保持力矩 Holding Torque    | 0.21 Nm Typ. (Two phase on/rated current) |
| 6. 相电阻 Phase Resistance   | 3.2 ohm ±10% (20°C)                       |
| 7. 相电感 Phase Inductance   | 4.3 mH ±20% (1kHz 1V rms)                 |
| 8. 转子惯量 Rotor Inertia     | 20 gcm <sup>2</sup>                       |
| 9. 电机重量 Motor Weight      | 0.19 kg                                   |
| 10. 绝缘等级 Insulation Class | B (130°C)                                 |

Unit:mm

第一角画法  
First angle method

未注线性与角度尺寸公差  
Tolerances for linear and angular dimensions  
without individual tolerance indications  
GB/T 1804-m eqv ISO 2768-1:m

未注形状与位置尺寸公差  
Geometrical tolerance for features without  
individual tolerance indications  
GB/T 1184-K eqv ISO 2768-2:K

批准 Approve

标准化 Standardize

工艺 Process Review

审核 Check

设计 Design

**MOONS'**  
moving in better ways

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