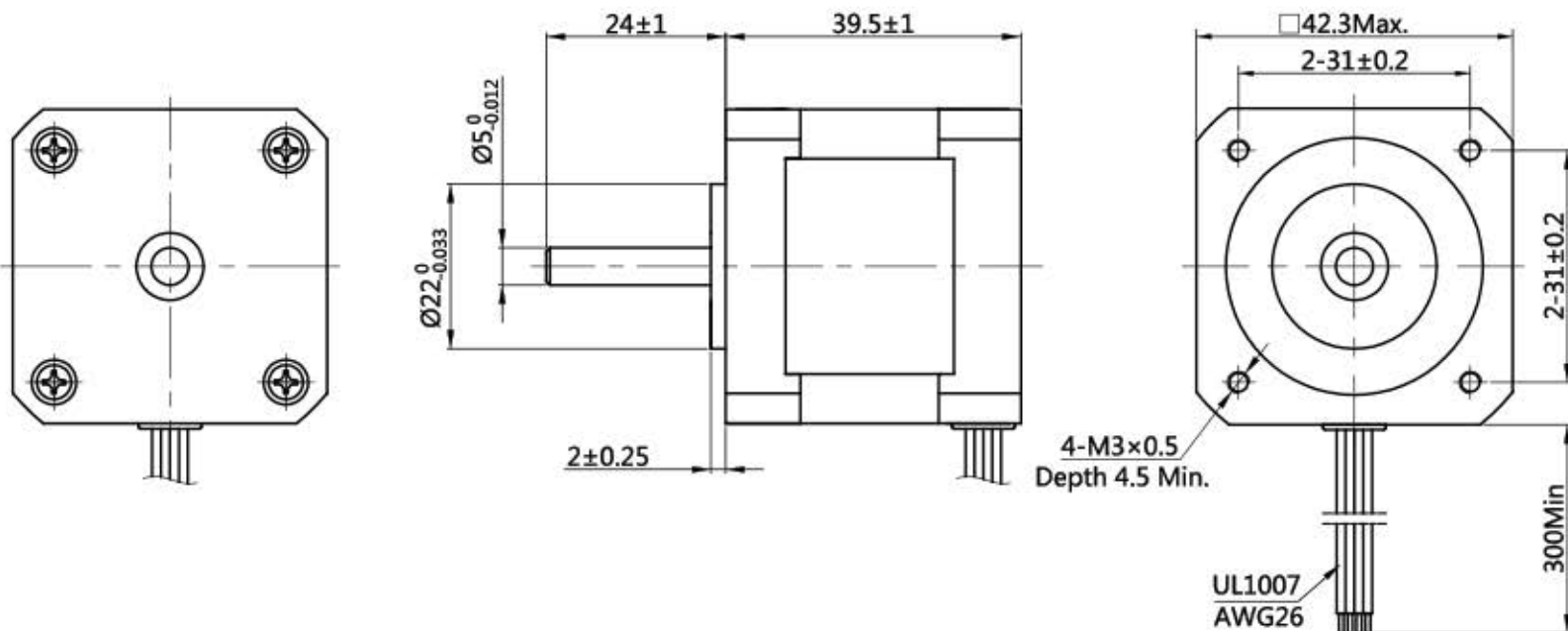


# 混合式步进电机规格书

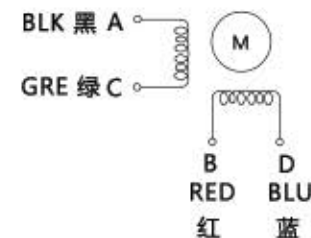
## HYBRID STEPPING MOTOR SPECIFICATION

外形图 (DIMENSIONS) unit=mm



电气原理图

Wiring Diagram



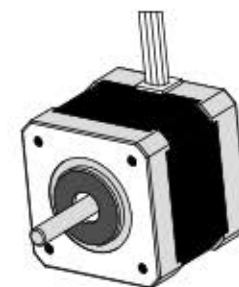
励磁顺序vs.旋转方向

Exciting Sequence vs. Direction of Rotation

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

从安装面看为顺时针方向

Clockwise view from mounting side



|                               |                                 |                   |  |  |  |
|-------------------------------|---------------------------------|-------------------|--|--|--|
| 1. 相数 Number of Phase         | 2                               |                   |  |  |  |
| 2. 步距角 Step Angle             | 0.9° deg.                       |                   |  |  |  |
| 3. 额定电压 Rated Voltage         | 2.8 V                           |                   |  |  |  |
| 4. 额定电流/相 Rated Current/Phase | 1.68 A (峰值 Peak Value)          |                   |  |  |  |
| 5. 相电阻 Phase Resistance       | 1.65 $\Omega \pm 10\%$ (20°C)   |                   |  |  |  |
| 6. 相电感 Phase Inductance       | 3.2 mH $\pm 20\%$ (1kHz 1V RMS) |                   |  |  |  |
| 7. 保持力矩 Holding Torque        | 3.3 kg.cm                       |                   |  |  |  |
| 8. 绝缘等级 Insulation Class      | B (130°), 温升 80K Max.           |                   |  |  |  |
| 9. 重量 Weight                  | 0.24 kg                         |                   |  |  |  |
| <b>规格 Specifications</b>      |                                 | <b>备注 Comment</b> |  |  |  |

| 版本 REV.       | 变更内容 REVISION RECORD         | 日期 DATE |
|---------------|------------------------------|---------|
| 设计 DESIGN     | 常州倍士福机电有限公司<br>www.besfoc.cn |         |
| 标准化 STANDARD  |                              |         |
| 工艺 TECHNOLOGY |                              |         |
| 审核 CHECK      |                              |         |
| 批准 APPROVE    |                              |         |

**规格书**  
Specification

|             |                     |          |                    |
|-------------|---------------------|----------|--------------------|
| 品名 TITLE    | 步进电机 STEPPING MOTOR |          |                    |
| 图号 DWG.NO.  | BF42HM40-1684       |          |                    |
| 材料 MATERIAL |                     | SIZE     | A4                 |
| 版本 REV.     | A                   | 比例 SCALE | 1:1 页 SHEET 1 of 1 |