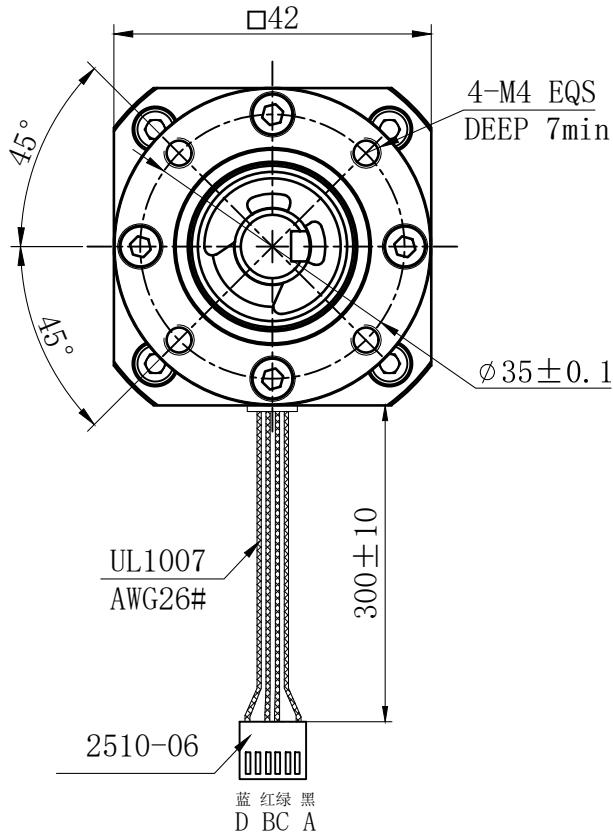
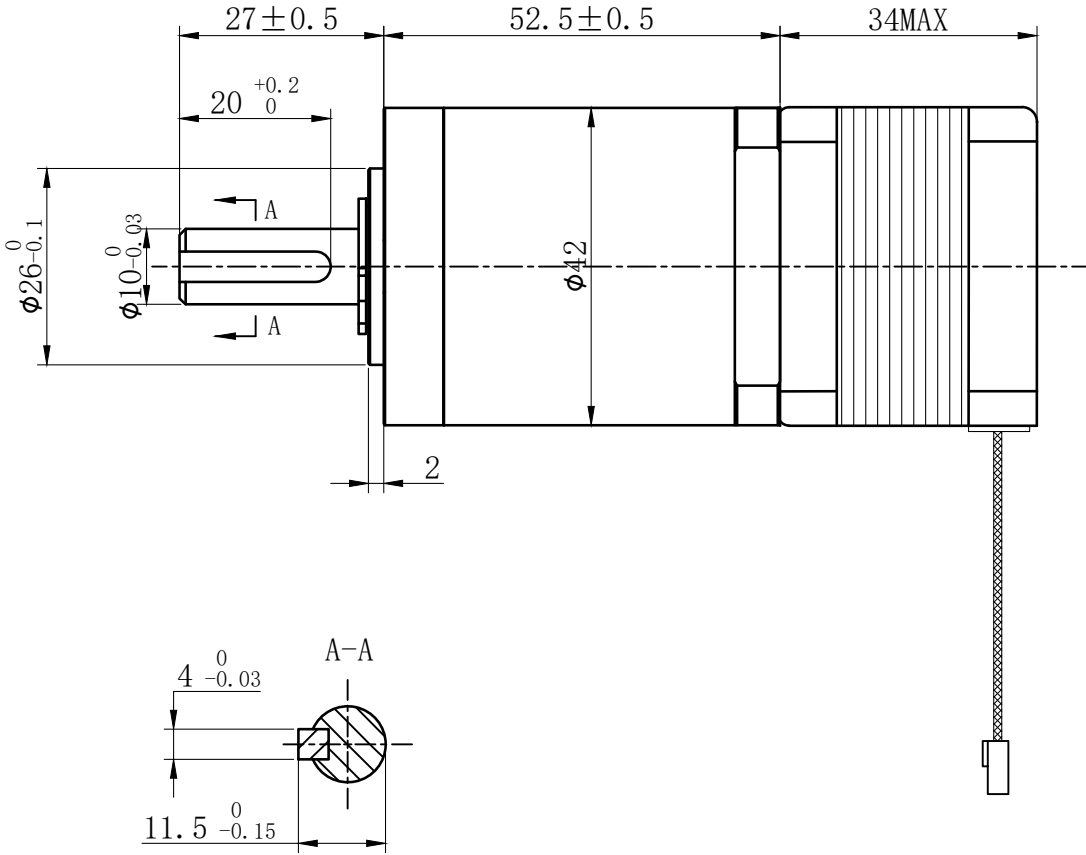


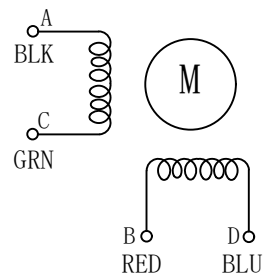
42HSC1409-M42PG71J-300

| 版本<br>(Versions) | 修改内容 (Description) | 标记<br>(REV) | 日期<br>(Date) |
|------------------|--------------------|-------------|--------------|
| A0               | 首次发布               | *           | 2026. 08. 07 |
|                  | S                  |             |              |
|                  | 技术部                |             |              |



| character 特性 |                    | specifications 规格 |
|--------------|--------------------|-------------------|
| 减速比          | Ratio              | 71:1              |
| 相数           | Number of phase    | 2                 |
| 步距角          | Step Angle         | 1.8°              |
| 额定电压         | Rated Voltage      | DC 2.93V          |
| 额定电流         | Rated current      | DC 1.33A          |
| 保持转矩         | Holding Torque     | ≥ 270mN.m         |
| 相电阻          | Winding resistance | 2.2±15% ohm(20℃)  |
| 相电感          | Winding inductaoce | 3.5±20% mH（1kHz）  |
| 转动惯量         | Rotor Inertia      | 30 g.cm²          |
| 电机重量         | Weight             | 0.59 Kg           |
| 绝缘等级         | Insulation class   | B Class           |

电气原理图  
winding drawing



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

| STEP | A | B | C | D |
|------|---|---|---|---|
| 1    | + | + | - | - |
| 2    | - | + | + | - |
| 3    | - | - | + | + |
| 4    | + | - | - | + |

从安装面看为顺时针方向  
Clockwise view from mounting side

UNLESS OTHERWISE SPECIFIED, REMOVE ALL BURRS.  
BREAK SHARP EDGES 0.5mmMAX.  
未注倒角最大0.5mm。

DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES AS BELOW:  
尺寸单位为毫米(mm). 未注公差按以下标准:

|           |       |        |
|-----------|-------|--------|
| DECIMALS: | X     | ±0.38  |
| DECIMALS: | X.X   | ±0.25  |
| DECIMALS: | X.XX  | ±0.13  |
| DECIMALS: | X.XXX | ±0.013 |
| ANGLES:   | ±2°   |        |

|               |              |         |
|---------------|--------------|---------|
| 批准 Approved   |              |         |
| 工艺 Technology |              |         |
| 审核 Checked    |              |         |
| 设计 Inspectde  |              |         |
| 名称 Names      | 签名 Signature | 日期 Date |

|             |     |             |     |                |
|-------------|-----|-------------|-----|----------------|
| 单位<br>unit  | mm  | 版本<br>rev   | A0  | 客户<br>Customer |
| 页数<br>sheet | 1/1 | 比例<br>scale | 1:1 | 视图<br>view     |

דסות

重庆优摩特科技有限公司  
Chongqing UMot technology Co.Ltd.

物料编号  
Item No

型号  
Model

42HSC1409-M42PG71.J-300

