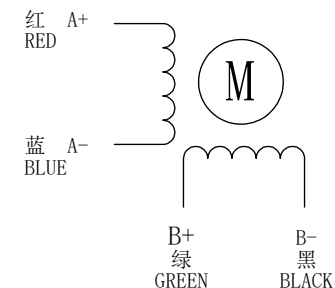
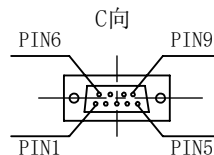
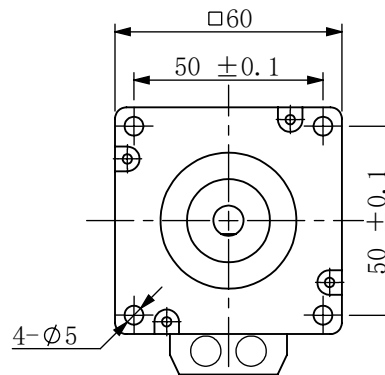
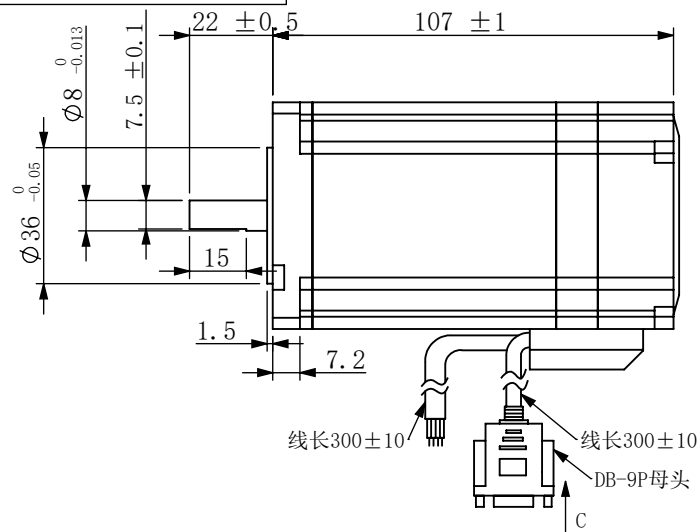


图号/DWG NO.  
60HSM86D-D0822-050

励磁顺序(2相励磁)VS. 旋转方向  
EXCITING SEQUENCE(TWO PHESES)  
VS. DIRECTION OF ROTATION

|   |  |
|---|--|
| 步 距 角/STEP ANGLE                          | 1.8° ±5%                                     |
| 相 数/NO. OF PHASES                         | 2  |
| 额定电压/RATED VOLTAGE                        | 2.5V   |
| 额定电流/RATED CURRENT                        | 5.0A   |
| 电 阻/RESISTANCE                            | 0.5ohm±10%    AT25℃                          |
| 电 感/INDUCTANCE                            | 2.22mH±20%    AT 1kHz, 1Vrms                 |
| 保持力矩/HOLDING TORQUE                       | 3.0N.m                                       |
| 运行力矩/(AT —PPS)<br>RUNNING TORQUE(AT —PPS) | ——以上/MIN<br>(——V.DC, ——A/相(PHASE), ——相励磁/EX) |
| 绝缘耐压/DIELECTRIC STRENGTH                  | 500V A.C 1分钟/MINUTE                          |
| 绝缘电阻/INSULATION RESISTANCE                | 100MΩ 以上/MIN.                                |
| 绝缘等级/INSULATION CLASS                     | CLASS B                                      |
| 温度上升/TEMPERATURE RISE                     | 80K MAX.                                     |
| 转子惯量/ROTOR INERTIA                        | 690g.cm <sup>2</sup>                         |
| 重 量/WEIGHT                                | 约/APPROX. 1536克/g                            |
| 允许轴向负载/ALLOWABLE THRUST LOAD              | 5N   |
| 允许径向负载/ALLOWABLE RADIAL LOAD              | 30N(轴端/ON THE SHAFT END)                     |
| 运行环境温度/OPERATION AMBIENT TEMP.            | -20℃——+50℃                                   |
| 运行环境湿度/OPERATION AMBIENT HUM.             | 15%——90%                                     |

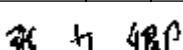

| 1000线光电编码器出线定义 |     |     |    |     |     |    |    |    |    |
|----------------|-----|-----|----|-----|-----|----|----|----|----|
| 序号             | 1   | 2   | 3  | 4   | 5   | 6  | 7  | 8  | 9  |
| 定义             | EA+ | EA- | NC | EB+ | EB- | NC | NC | 5V | GN |
| 线色             | 棕   | 白   | \  | 绿   | 黄   | \  | \  | 红  | 蓝  |

|         |      |    |    |    |    |          |
|---------|------|----|----|----|----|----------|
|         | STEP | A+ | B+ | A- | B- |          |
| CW<br>↓ | 1    | +  | +  | -  | -  | ↑<br>CCW |
|         | 2    | -  | +  | +  | -  |          |
|         | 3    | -  | -  | +  | +  |          |
|         | 4    | +  | -  | -  | +  |          |

从安装面看为顺时针方向  
CLOCKWISE VIEW FROM MOUNTING SIDE

备注(NOTE):

1. 额定电流, 两相同时通电/AT RATED CURRENT, TWO PHASES ON.
2. 热阻法: 电机安装在84\*84\*15的铝板上, 电机线圈两端通额定电压, OPSS /MEASURED BY RESISTANCE METHOD. MOUNT WITH ALUMINUM HEAT SINK 84\*84\*15 AT TWO WINDING BE EXCITED BY RATED VOLTAGE, OPSS, 2PHASE ON.
3. 寿命测试条件: 整步, 运行速度为500PPS, 轴承的表面温度不超过70° C  
LIFE TEST CONDITION: 2PHASE EXCITING, FULL STEP, AT 500PPS. STARTING PULSE, BEARING TEMPERATURE SHOULD BE 70° C MAX.

|   |   |          |              |               |                              |                      |          |         |   |                                 |
|---|---|----------|--------------|---------------|------------------------------|----------------------|----------|---------|---|---------------------------------|
| CONFIRMED&ACCEPTED BY CUSTOMER<br>(客户确认&接受) |   |          |              |               |                              |                      |          |         |   |                                 |
|   |   |          |              |               |                              |                      |          |         |   |                                 |
|   |   |          |              |               |                              |                      |          |         |   |                                 |
|   |   |          | 2022-12-17   |               |                              |                      |          |         |   |                                 |
| 一般公差<br>TOLERANCE                           |   | ±0.3/±3° | 版本<br>REV.   | 年 月 日<br>DATE | 变更番号<br>ECR NO.              | 变 更 内 容<br>REVISIONS | 设计<br>BY | 备注 NOTE | REV.  | A                               |
| 设计/DESIGNED                                 |  |          | 比例<br>SCALE  |               | 型 号/MODEL<br><br>60AM30ED-YB |                      |          |         |  | 三维图<br>THIRD ANGL<br>PROJECTION |
|   |   |          | 单位<br>UNIT   | mm            |                              |                      |          |         |   |                                 |
| 审核/CHECKED                                  |   |          | 深圳锐特机电技术有限公司 |               |                              |                      |          |         | 页<br>SHEET  | 1/1                             |