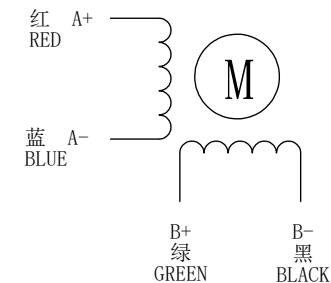
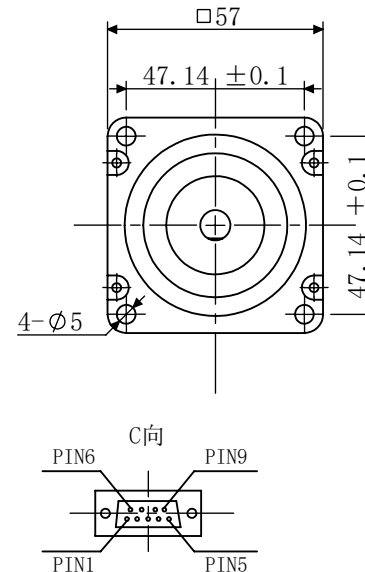
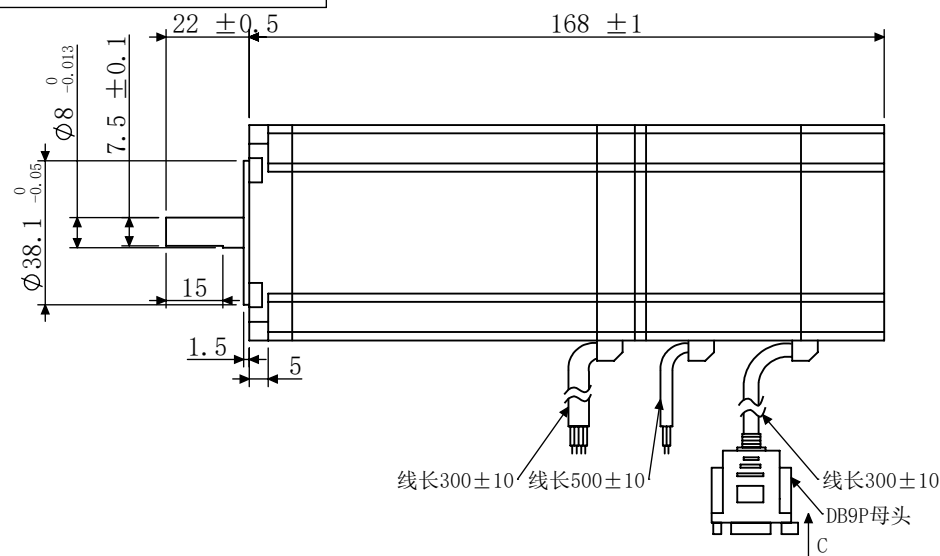


|            |                    |
|------------|--------------------|
| 图号/DWG NO. | 57HSM102D-D0822-BZ |
|------------|--------------------|



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                        | 4.1V  |
| 额定电流/RATED CURRENT                        | 5.0A  |
| 电 阻/RESISTANCE                            | 0.82ohm±10%    AT25℃                          |
| 电 感/INDUCTANCE                            | 3.73mH±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                        | 720g. cm <sup>2</sup>                         |
| 重 量/WEIGHT                                | 约/APPROX. 2200克/g                             |
| 允许轴向负载/ALLOWABLE THRUST LOAD              | 5N  |
| 允许径向负载/ALLOWABLE RADIAL LOAD              | 25N(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  |

### 刹车技术参数/BRAKE TECHNICAL PARAMETER

|      |           |
|------|-----------|
| 电压   | 24V DC    |
| 脱力扭矩 | 2. 2N · M |
| 功率   | 4. 5W     |
| 最高转速 | 1K RPM    |
| 响应时间 | 50ms      |
| 绝缘等级 | CLASS B   |
| 黑色   | 负极        |
| 红色   | 正极        |

|         |      |    |    |    |    |          |
|---------|------|----|----|----|----|----------|
|         | 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

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\*75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\*75  
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) |  |          |  |             |               |                              |                      |  |          |            |  |   |  |
| COMPANY CHOP&SIGNATURE<br>(盖章&签名)           |  |          |  |             |               |                              |                      |  |          |            |  |   |  |
|   |  |          |  |             |               |                              |                      |  |          |            |  |   |  |
|   |  |          |  |             |               |                              |                      |  |          |            |  |   |  |
| 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                                |  | 30 7 40  |  | 比例<br>SCALE |               | 型 号/MODEL<br><br>57AM30ED-Z2 |                      |  |          |            | 三视图<br>THIRD ANGL<br>PROJECTION        |   |  |
| 审核 /CHECKED                                 |  |          |  | 单位<br>UNIT  | mm            |                              |                      |  |          |            | 第三角<br>投影<br>Third Angle<br>Projection |   |  |
| 深圳锐特机电技术有限公司                                |  |          |  |             |               |                              |                      |  |          | 页<br>SHEET | 1/1                                    |   |  |