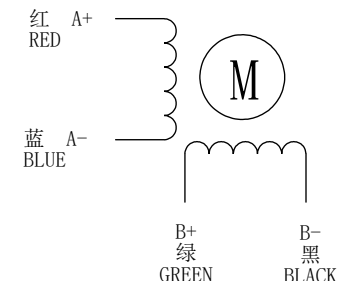
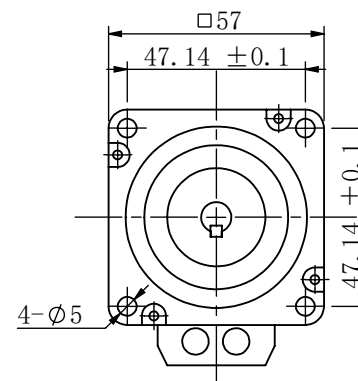
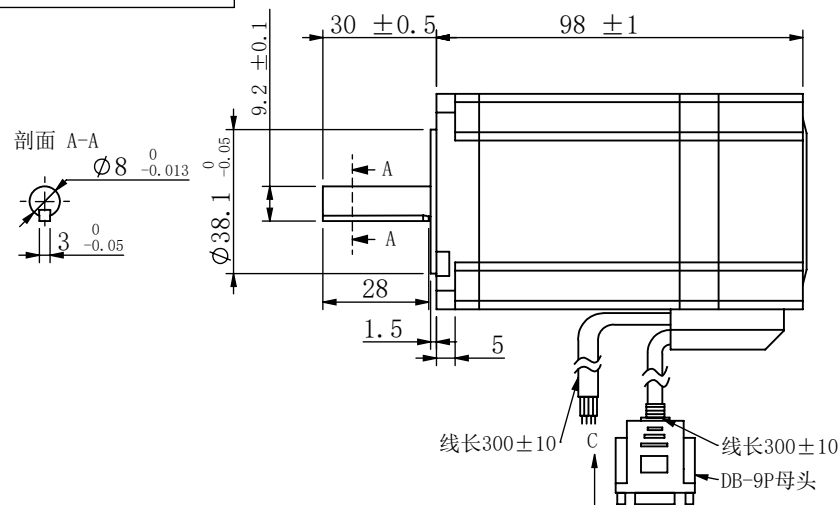


图号/DWG NO.  
57HTM76D-K0830-021

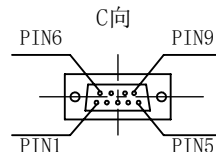


## 电机特性参数/ELECTRICAL PARAMETER

|  |   |
|--|---|
| 步 距 角/STEP ANGLE                           | 1.8° ±5%                                      |
| 相 数/NO. OF PHASES                          | 2   |
| 额定电压/RATED VOLTAGE                         | 3.0V  |
| 额定电流/RATED CURRENT                         | 5.0A  |
| 电 阻/RESISTANCE                             | 0.60ohm±10% AT25℃                             |
| 电 感/INDUCTANCE                             | 2.44mH±20% AT 1kHz, 1Vrms                     |
| 保持力矩/HOLDING TORQUE                        | 2.3N.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                         | 460g. cm <sup>2</sup>                         |
| 重 量/WEIGHT                                 | 约/APPROX. 1158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%                                      |

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.



确认标签模板：

| 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  |

**MODEL:XXXXXX**

1.8°/X.0A

S/N:SXXXXXXXXX    www.szruitech.com

红A+ 蓝A- 绿B+ 黑B-  二维码  C E  
 RED BLU GRN BLK  
 绿EB+ 黄EB- 棕EA+ 白EA- 红VCC 蓝GND  
 GRN YEL BRN WHT RED BLU

|   |  |                                   |             |               |                 |                               |  |          |   |      |   |
|---|--|-----------------------------------|-------------|---------------|-----------------|-------------------------------|--|----------|---|------|---|
| 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                                 |  | 36 4 100                          | 比例<br>SCALE |               |                 | 型 号/MODEL<br><br>57AM23ED-30K |  |          | 三维图<br>THIRD ANGLE<br>PROJECTION<br><br> |      |   |
| 审核/CHECKED                                  |  |                                   | 单位<br>UNIT  |               | mm              |                               |  |          |   |      |   |
| 深圳锐特机电技术有限公司                                |  |                                   |             |               |                 |                               |  |          | 页<br>SHEET  | 1/1  |   |