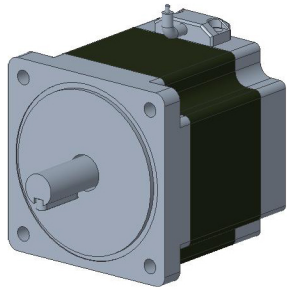
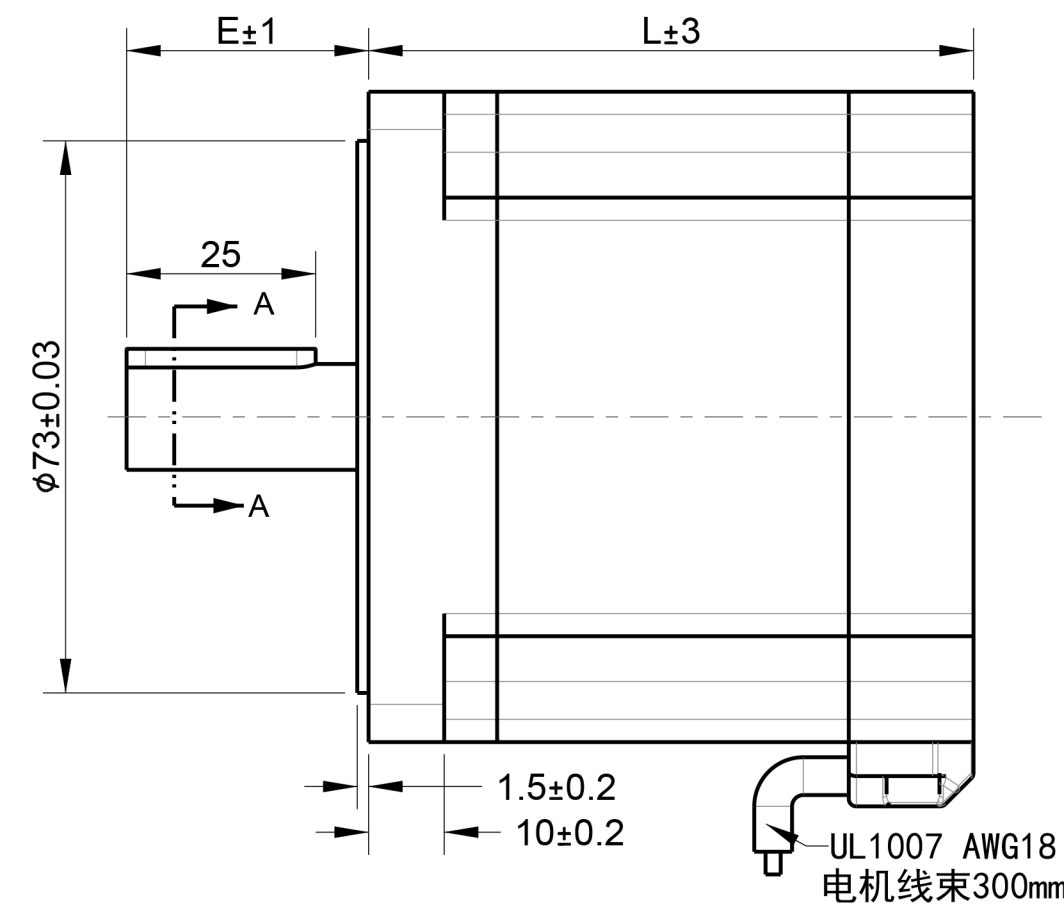
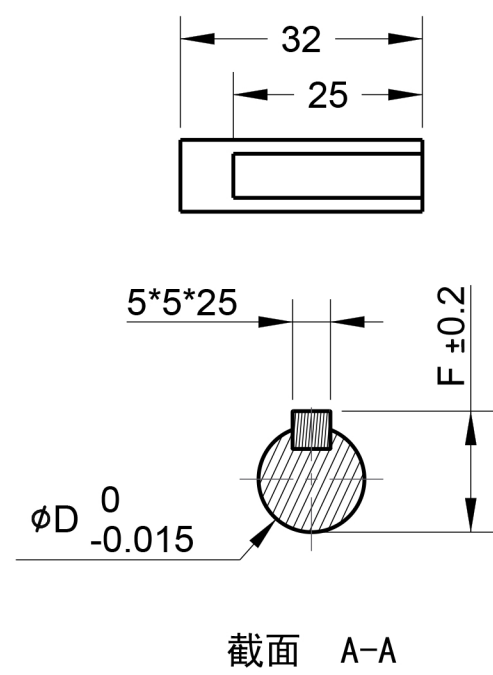
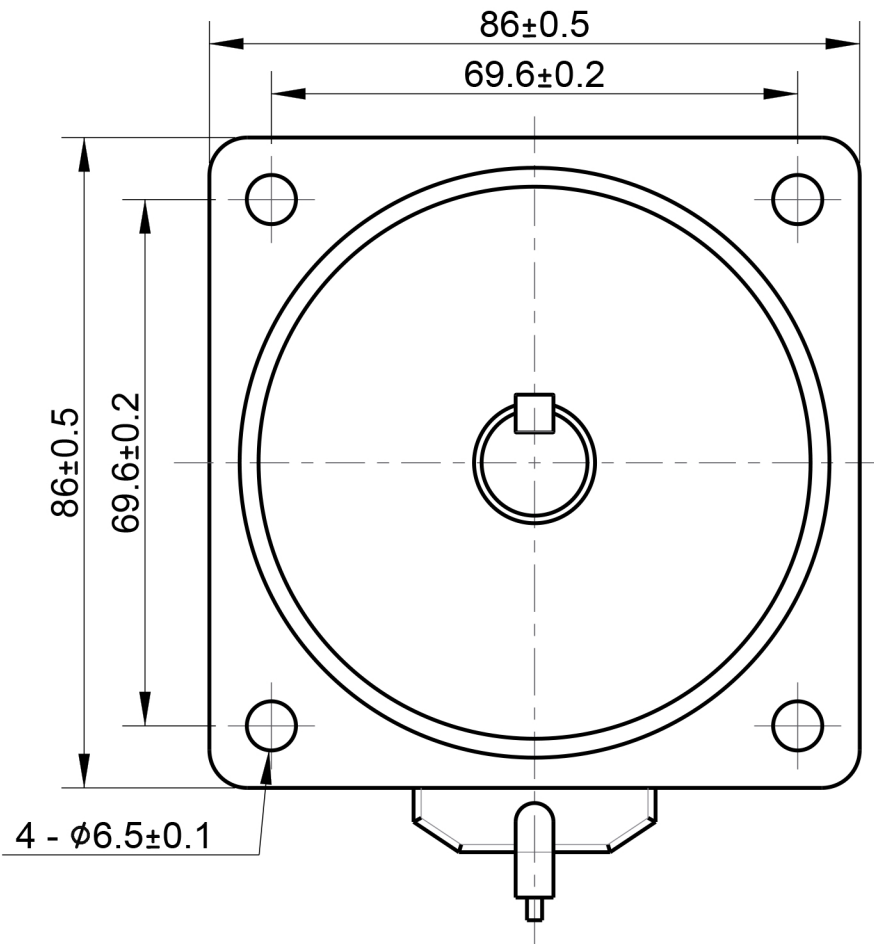


电机外形尺寸图 (DIMENSIONS)



比例 5:16

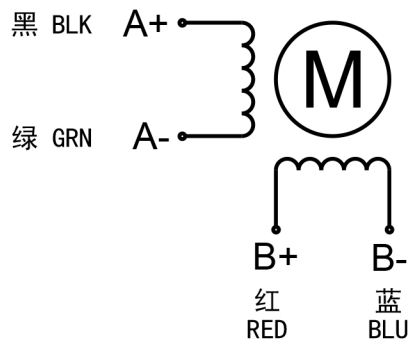


技术规格 (SPECIFICATION)

| 型号<br>Model | 相数<br>Phase | 步距角 (°)<br>Step Angle | 保持转矩<br>(N. M)<br>Torque | 额定电流 (A)<br>Rated<br>Current | 转动惯量<br>(g. cm <sup>2</sup> )<br>Rotor Inertia | 电机重量<br>(kg)<br>Weight | 机身長 (L)<br>Length | 轴径 (D)<br>Shaft Dia | 轴长 (E)<br>Shaft L | 铣扁位/键高 (F)<br>Thickness |
|-------------|-------------|-----------------------|--------------------------|------------------------------|------------------------------------------------|------------------------|-------------------|---------------------|-------------------|-------------------------|
| ML86-98     | 2           | 1.8                   | 6.5                      | 6                            | 2100                                           | 3.1                    | 98                | 12.7                | 32                | 14.7                    |

| 通用属性 (ATTRIBUTE) / 项目 ITEM             | 参数 PARAMETERS         |
|----------------------------------------|-----------------------|
| 步距角精度 Precision of Step Angle          | ± 5%                  |
| 电阻精度 Precision of Resistance           | ± 10%                 |
| 电感精度 Precision of Inductance           | ± 20%                 |
| 温升 Temperature                         | 80 °C MAX             |
| 环境温度/湿度 Enviroment Temp&Humidity       | -10 ~ +50 °C , 85%    |
| 绝缘电阻 Insulation Resistance             | 100 MΩ Min@500VDC     |
| 耐电压 Voltage Resistance                 | 1 minute @ 500VAC-5mA |
| 转轴径向跳动 Dynamic Radial Runout Tolerance | 0.02mm Max @ 450g     |
| 转轴轴向跳动 Dynamic axial Runout Tolerance  | 0.08mm Max @ 450g     |

电气接线图 (Wiring Diagram)



|                                                                                                                                                                                             |  |                                                             |          |                                                                                                                                           |               |             |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|-------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED                                                                                                                                                        |  | 材料符合RoHS2.0指令要求<br>All Material are to be RoHS2.0 Compliant |          | 深圳市鸣雷智能控制有限公司<br>Shenzhen thunder intelligent Control Co.,Ltd<br>公司官网 Company website: <a href="http://www.szmlsf.com">www.szmlsf.com</a> |               |             |             |
| GB/T1804-m eqv<br>ISO 2768-1 class m<br>≤ 6 ± 0.1<br>> 6 ~ 30 ± 0.2<br>> 30 ~ 120 ± 0.3<br>> 120 ~ 400 ± 0.5<br>> 400 ~ 1000 ± 0.8<br>> 1000 ~ 2000 ± 1.2<br>Angles: ± 0.5°<br>Chamfer: ± 5 |  | ALL UNITS ARE IN MM                                         |          | TITEL                                                                                                                                     | SIGNATURE     | DATE        | 名称<br>TITLE |
| 第三视角画法<br>3RD ANGLE<br>PROJECTION                                                                                                                                                           |  | 设计<br>DESIGN                                                | TF       | 20201027                                                                                                                                  | 图号<br>DWG.NO. | 86开环步进电机    |             |
| 审核<br>CHECK                                                                                                                                                                                 |  | TF                                                          | 20201028 | 材料<br>MATERIAL                                                                                                                            | SEE BOM       |             | ML86-98     |
| 批准<br>APPROVE                                                                                                                                                                               |  | 版本<br>REV                                                   | A        | 比例<br>SCALE                                                                                                                               | 1:1           | 页数<br>SHEET | 1 OF 1      |