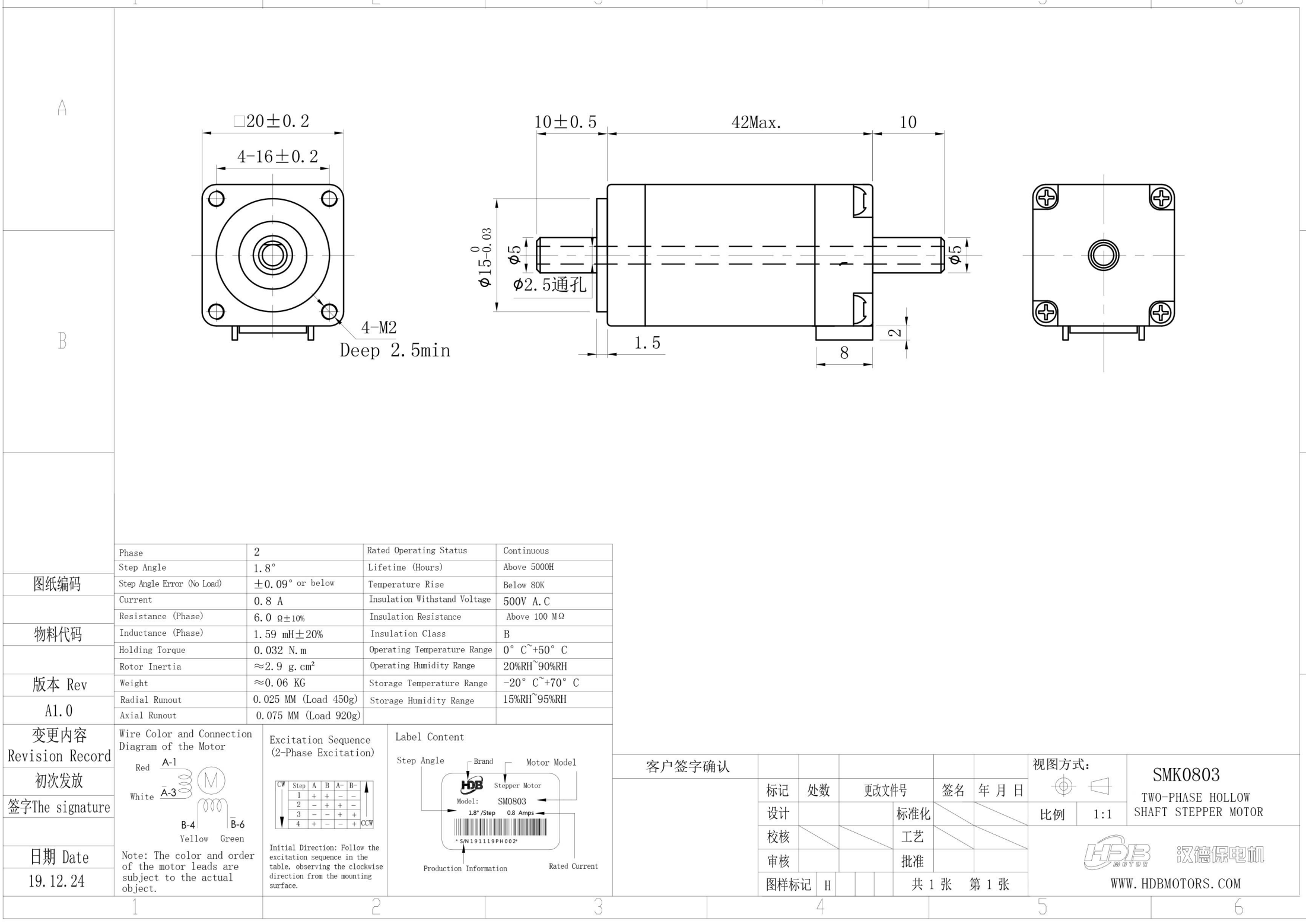




|        |                            |                        |                              |               |
|--------|----------------------------|------------------------|------------------------------|---------------|
| 图纸编码   | Phase                      | 2                      | Rated Operating Status       | Continuous    |
|        | Step Angle                 | 1.8°                   | Lifetime (Hours)             | Above 5000H   |
|        | Step Angle Error (No Load) | ±0.09° or below        | Temperature Rise             | Below 80K     |
|        | Current                    | 0.8 A                  | Insulation Withstand Voltage | 500V A.C      |
| 物料代码   | Resistance (Phase)         | 6.0 Ω±10%              | Insulation Resistance        | Above 100 MΩ  |
|        | Inductance (Phase)         | 1.59 mH±20%            | Insulation Class             | B             |
|        | Holding Torque             | 0.032 N.m              | Operating Temperature Range  | 0° C~+50° C   |
|        | Rotor Inertia              | ≈2.9 g.cm <sup>2</sup> | Operating Humidity Range     | 20%RH~90%RH   |
| 版本 Rev | Weight                     | ≈0.06 KG               | Storage Temperature Range    | -20° C~+70° C |
|        | Radial Runout              | 0.025 MM (Load 450g)   | Storage Humidity Range       | 15%RH~95%RH   |
|        | Axial Runout               | 0.075 MM (Load 920g)   |                              |               |
| A1.0   |                            |                        |                              |               |

变更内容  
Revision Record

初次发放

签字The signature

日期 Date  
19.12.24

Wire Color and Connection Diagram of the Motor

Red A-1  
White A-3  
Yellow B-4  
Green B-6

Note: The color and order of the motor leads are subject to the actual object.

Excitation Sequence (2-Phase Excitation)

|    |      |   |   |    |    |
|----|------|---|---|----|----|
| CW | Step | A | B | A- | B- |
| 1  | +    | + | - | -  |    |
| 2  | -    | + | + | -  |    |
| 3  | -    | - | + | +  |    |
| 4  | +    | - | - | +  |    |

Initial Direction: Follow the excitation sequence in the table, observing the clockwise direction from the mounting surface.

Label Content

Step Angle    Brand    Motor Model

Model: SM0803  
1.8°/Step    0.8 Amps

Production Information    Rated Current

|        |    |       |    |     |                            |                                      |         |  |
|--------|----|-------|----|-----|----------------------------|--------------------------------------|---------|--|
| 客户签字确认 |    |       |    |     | 视图方式:                      |                                      | SMK0803 |  |
| 标记     | 处数 | 更改文件号 | 签名 | 年月日 |                            | TWO-PHASE HOLLOW SHAFT STEPPER MOTOR |         |  |
| 设计     |    | 标准化   |    |     | 比例                         | 1:1                                  |         |  |
| 校核     |    | 工艺    |    |     | 汉德保电机<br>WWW.HDBMOTORS.COM |                                      |         |  |
| 审核     |    | 批准    |    |     |                            |                                      |         |  |
| 图样标记   | H  |       |    |     | 共 1 张    第 1 张             |                                      |         |  |