

**1.8° 57mm 两相混合式伺服步进电机 57mm(NEMA23) 2phase hybrid Servo stepper motor**

**基本性能/General Specification:**

|                                 |                            |  |
|---------------------------------|----------------------------|--|
| 项目(Item)                        | 性能(Specifications)         |  |
| 步距角(Step Angle)                 | 1.8°                       |  |
| 温 升(Temperature Rise)           | 80°Cmax                    |  |
| 环 境 温 度 ( Ambient Temperature ) | -20°C~+50°C                |  |
| 绝缘电阻(Insulation Resistance)     | 100 MΩ Min. ,500VDC        |  |
| 电气强度(Dielectric Strength):      | 500VAC for 1minute         |  |
| 径向间隙(Shaft Radial Play)         | 0.02Max. (450g-load)       |  |
| 轴向间隙(Shaft Axial Play)          | 0.08Max. (450g-load)       |  |
| 最大径向压力(Max. radial force)       | 75N (20mm from the flange) |  |
| 最大轴向压力(Max. axial force)        | 15N                        |  |

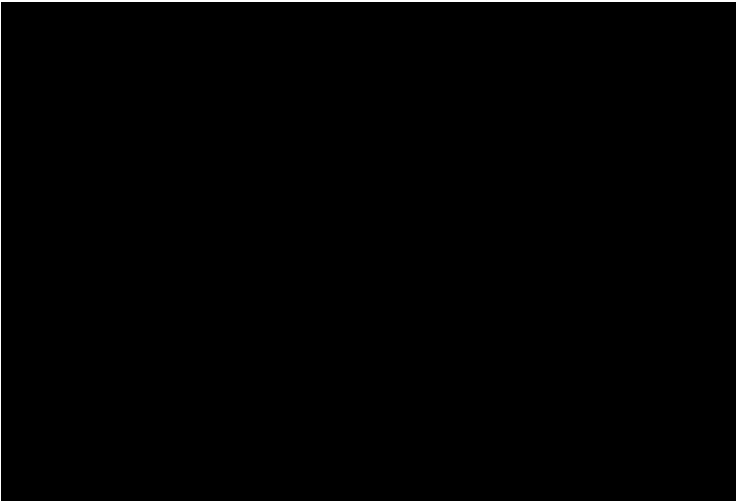
**电机规格/Electrical Specification:**

| 型号<br>Model No.          | 步距角<br>Step Angle | 长度<br>Motor Length | 电流<br>Current /Phase | 电阻<br>Resistance /Phase | 电感<br>Inductance /Phase | 静转矩<br>Holding Torque | 引线数<br># of Leads | 定位转矩<br>Detent Torque | 转子惯量<br>Rotor Inertia | 重量<br>Mass |
|--------------------------|-------------------|--------------------|----------------------|-------------------------|-------------------------|-----------------------|-------------------|-----------------------|-----------------------|------------|
|                          | ( ° )             | (L)mm              | A                    | Ω                       | mH                      | N.m                   | No.               | g.cm                  | g.cm <sup>2</sup>     | Kg         |
| OE57HS41-4204BFED-0.35M  | 1.8               | 41                 | 4.2                  | 0.3                     | 0.7                     | 0.55                  | 4                 | 250                   | 150                   | 0.65       |
| OE57HS56-4204BFED-0.35M  | 1.8               | 56                 | 4.2                  | 0.4                     | 1.2                     | 1.1                   | 4                 | 350                   | 280                   | 0.98       |
| OE57HS76-4204BFED-0.35M  | 1.8               | 76                 | 4.2                  | 0.6                     | 1.8                     | 1.8                   | 4                 | 600                   | 440                   | 1.1        |
| OE57HS82-4204BFED-0.35M  | 1.8               | 82                 | 4.2                  | 0.7                     | 2.5                     | 2.2                   | 4                 | 1000                  | 600                   | 1.2        |
| OE57HS112-4204BFED-0.35M | 1.8               | 112                | 4.2                  | 0.9                     | 3.8                     | 3.1                   | 4                 | 1200                  | 800                   | 1.4        |

以上仅为代表产品，特殊产品可根据客户要求订制。

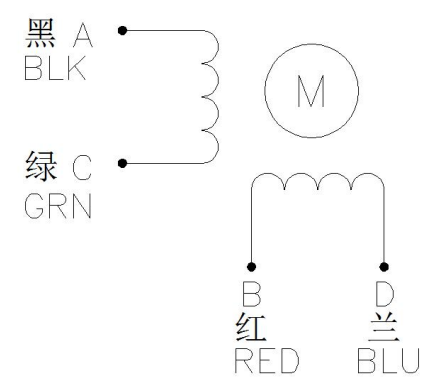
Above only for representative products, products of special request can be made according to the customer request.

**电机外型图/Dimensions:(单位/Unit=mm)**



**接线图/Wiring Diagram:**

Wiring Diagram:



Encoder Wiring Diagram:

|      |                        |          |
|------|------------------------|----------|
| EA+  | Encoder A phase input+ | BLACK 黑  |
| EA-  | Encoder A phase input- | BLUE 蓝   |
| EB+  | Encoder B phase input+ | YELLOW 黄 |
| EB-  | Encoder B phase input- | GREEN 绿  |
| Vcc  | Encoder Voltage(+5V)   | RED 红    |
| EGND | Encoder Grand(0V)      | WHITE 白  |