

1.8° 57mm 两相混合式步进丝杆电机 57mm 2phase hybrid screw rod 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         |
| OE57HS41-2804   | 1.8               | 41                 | 2.8                  | 0.7                     | 1.4                     | 0.55                  | 4                 | 250                   | 150                   | 0.47       |
| OE57HS51-2804   | 1.8               | 51                 | 2.8                  | 0.83                    | 2.2                     | 1.01                  | 4                 | 300                   | 230                   | 0.59       |
| OE57HS56-2804   | 1.8               | 56                 | 2.8                  | 0.9                     | 2.5                     | 1.2                   | 4                 | 350                   | 280                   | 0.68       |
| OE57HS64-2804   | 1.8               | 64                 | 2.8                  | 0.8                     | 2.3                     | 1                     | 4                 | 400                   | 300                   | 0.75       |
| OE57HS76-2804   | 1.8               | 76                 | 2.8                  | 1.1                     | 3.6                     | 1.89                  | 4                 | 600                   | 440                   | 1.1        |
| OE57HS82-3004   | 1.8               | 82                 | 3                    | 1.2                     | 4                       | 2.1                   | 4                 | 1000                  | 600                   | 1.2        |
| OE57HS100-4204  | 1.8               | 100                | 4.2                  | 0.75                    | 3                       | 3                     | 4                 | 1100                  | 700                   | 1.3        |
| OE57HS112-4204  | 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。

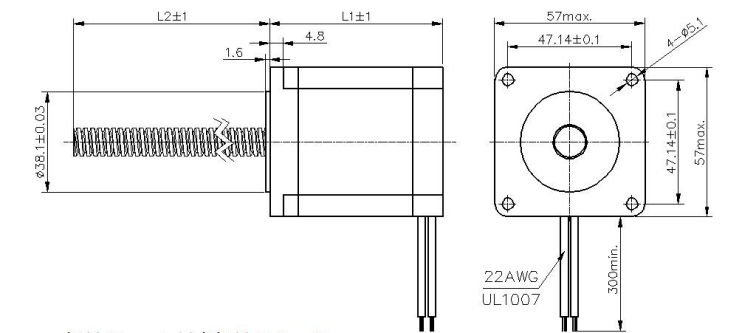
Above only for representative products, products of special request can be made according to the customer request.

丝杆规格/Screw rod Specification:

| 丝杆直径<br>Screw Diameter (mm) | 丝杆导程<br>Screw Lead (mm) | 丝杆螺距<br>Screw Pitch (mm) | 步长<br>Travel per step (mm) | 丝杆直径<br>Screw Diameter (mm) | 丝杆导程<br>Screw Lead (mm) | 丝杆螺距<br>Screw Pitch (mm) | 步长<br>Travel per step (mm) |
|-----------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-------------------------|--------------------------|----------------------------|
| Tr8                         | 1                       | 1                        | 0.005                      | Tr8                         | 10                      | 2                        | 0.05                       |
|                             | 2                       | 2                        | 0.01                       |                             | 12                      | 2                        | 0.06                       |
|                             | 3                       | 1.5                      | 0.015                      |                             | 14                      | 2                        | 0.07                       |
|                             | 4                       | 2                        | 0.02                       |                             |                         |                          |                            |
|                             | 8                       | 2                        | 0.04                       |                             |                         |                          |                            |
| 丝杆直径<br>Screw Diameter (mm) | 丝杆导程<br>Screw Lead (mm) | 丝杆螺距<br>Screw Pitch (mm) | 步长<br>Travel per step (mm) | 丝杆直径<br>Screw Diameter (mm) | 丝杆导程<br>Screw Lead (mm) | 丝杆螺距<br>Screw Pitch (mm) | 步长<br>Travel per step (mm) |
| Tr10                        | 2                       | 2                        | 0.01                       | Tr12                        | 2                       | 2                        | 0.01                       |
|                             | 3                       | 1.5                      | 0.015                      |                             | 3                       | 3                        | 0.015                      |
|                             | 4                       | 2                        | 0.02                       |                             | 8                       | 2                        | 0.04                       |
|                             | 8                       | 2                        | 0.04                       |                             | 10                      | 2                        | 0.05                       |
|                             | 10                      | 2                        | 0.05                       |                             |                         |                          |                            |
|                             | 12                      | 2                        | 0.06                       |                             |                         |                          |                            |

电机外型图/Dimensions:(单位/Unit=mm)

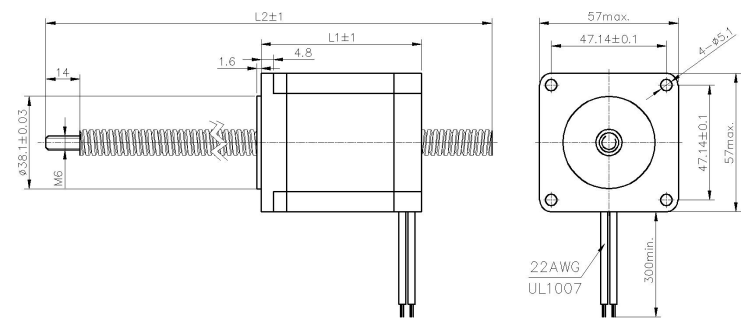
External Shaft Motor



螺母/Note: 1. 尼龙螺母/Nylon Nut



Non Captive Motor



接线图/Wiring Diagram:

