

## 42 系列(Series)-J42BH006 混合式步进电机(Hybrid Stepper Motor)

### 主要技术参数 Main technical parameters



引出线形式 Lead out line driver type

四相 5 线 (双备份绕组) Four-Phase 5-line (Dual backup winding)

驱动方式 Drive mode

单极恒压双四拍驱动 Unipolar constant voltage double four beat drive

工作制 Working system

真空长时 Long term vacuum

步距角 Step angle

$1.8^\circ$

额定电压 Rated voltage/V DC

12

保持转矩 Holding torque/N·m

$\geq 0.16 @ A \& B$  通 (Electricity)  $\geq 0.18 A$

自定位转矩 Detent torque/N·m

$\geq 0.01$

步距角误差 Step angle error

$\pm 5\%$

相电阻 Phase resistance/ $\Omega$

$39.4 \times (1 \pm 10\%)$

相电感 Phase inductance/mH

$25 \times (1 \pm 35\%)$

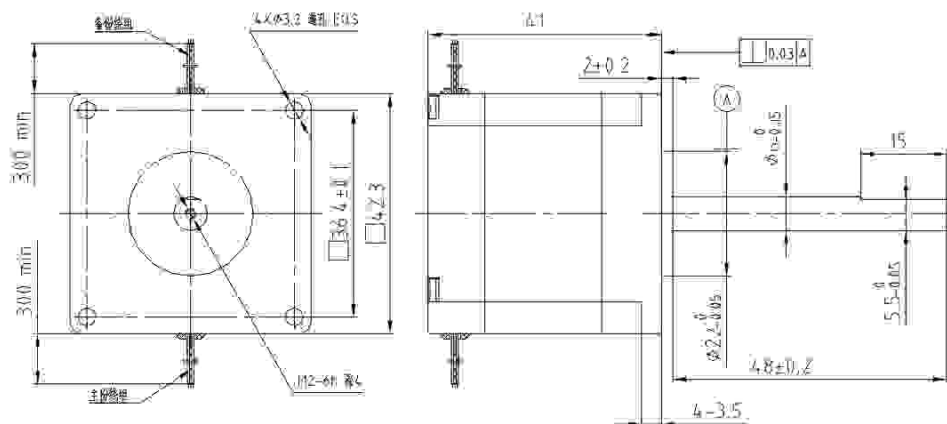
牵出力矩 Pull out torque/N·m

$\geq 0.14 @ 100 \text{ Hz}$

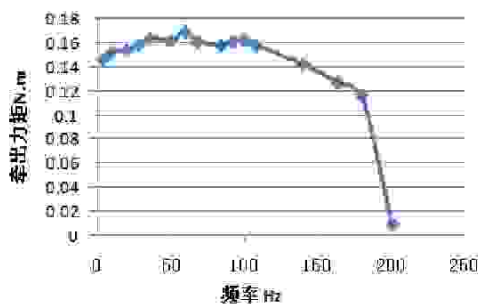
重量 Weight/kg

$\leq 0.35$

### 外形图(Outline Drawing)/mm



### 其他补充(Other Supplements)



牵出矩频特性(Pull out torque frequency characteristics)

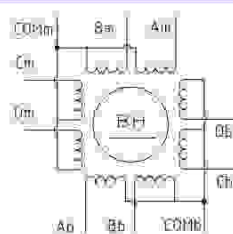
主份引出线 Main outgoing line

引出线标识 Definition of lead wire

备份引出线 Backup outgoing line

引出线标识 Identification of lead wire

### 电路图(Circuit Diagram)



| A 相<br>A-phase | B 相<br>B-phase | C 相<br>C-phase | D 相<br>D-phase | 公共点<br>Common    |
|----------------|----------------|----------------|----------------|------------------|
| A <sub>m</sub> | B <sub>m</sub> | C <sub>m</sub> | D <sub>m</sub> | COM <sub>m</sub> |
| A <sub>b</sub> | B <sub>b</sub> | C <sub>b</sub> | D <sub>b</sub> | COM <sub>b</sub> |