

45 系列(Series)-J45BH002 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

两相 4 线 Two Phase 4-line

驱动方式 Drive model

双极恒流双四拍驱动 Bipolar constant current double four beat drive

工作制 Working system

真空短时(不超过 2h) Vacuum not exceeding 2 hours

步距角 Step angle

1.8°

额定电压 Rated voltage/VDC

15

保持转矩 Holding torque1/N·m

$\geq 0.2 @ A \& B \text{ 通(Electrify) } 0.8A$

保持转矩 Holding torque2/N·m

$\geq 0.18 @ A \& B \text{ 通(Electrify) } 0.6A$

自定位转矩 Detent torque/N·m

≥ 0.017

步距角误差 Step angle error

$\pm 5\%$

相电阻 Phase resistance/ Ω

$5.85 \times (1 \pm 10\%)$

相电感 Phase inductance/mH

$5.8 \times (1 \pm 15\%)$

牵出力矩 Pull out torque1/N·m

$\geq 0.16 @ 50 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.6A ; \geq 0.21 @ 50 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.8A$

牵出力矩 Pull out torque2/N·m

$\geq 0.14 @ 100 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.6A ; \geq 0.2 @ 100 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.8A$

牵出力矩 Pull out torque3/N·m

$\geq 0.12 @ 150 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.6A ; \geq 0.18 @ 150 \text{rpm } @ A \& B \text{ 通(Electrify) } 0.8A$

重量 Weight/kg

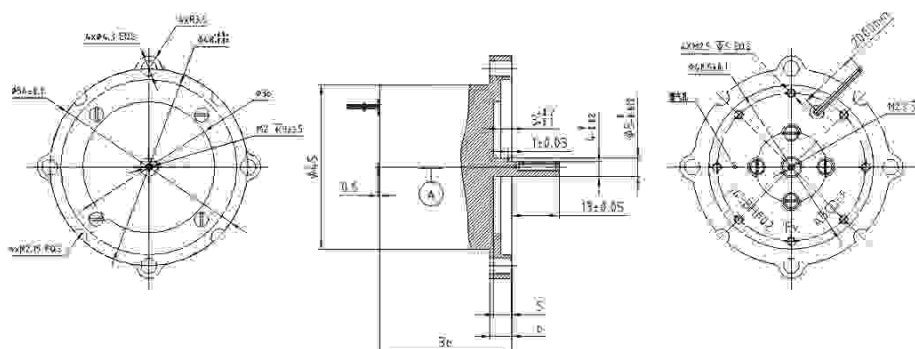
≤ 0.28

电路图 Circuit Diagram

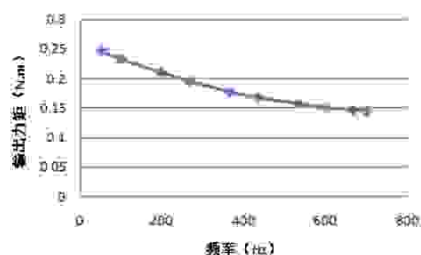
同上页电路图 (Circuit diagram on the same page)



外形图(Outline Drawing)/mm



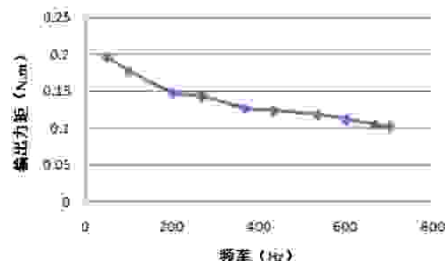
其他补充(Other Supplements)



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

(A&B 通(Electrify) 0.8A)

其他补充(Other Supplements)



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

(A&B 通(Electrify) 0.6A)