|  |  |  |  |
| --- | --- | --- | --- |
| Parameter/Model (08G S61) | 08G S61-107.3 | 08G S61-105.3 | 08G S61-105C.3 |
| Diameter(mm) | 8 | 8 | 8 |
| No load speed(rpm) | 7000 | 10,670 | 11,000 |
| No-load current(mA) | 6 | 4 | 3 |
| Output Power(W) | 0.5 | 0.5 | 0.5 |
| Stall Torque(mNm) | 0.42 | 0.59 | 0.64 |
| Torque upto (mNm) | 0.64 | 0.64 | 0.66 |
| Torque Constant (mNm/A) | 2.6 | 3.9 | 5.1 |

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| --- | --- | --- | --- |
| Parameter/Model (10NS61 Athlonix) | 10NS61-107C.5 | 10NS61-105.5 | 10NS61-104C.5 |
| Diameter(mm) | 10 | 10 | 10 |
| No load speed(rpm) | 10,100 | 10,400 | 10,700 |
| No-load current(mA) | 11 | 4.2 | 3.6 |
| Output Power(W) | 0.7 | 0.7 | 0.7 |
| Stall Torque(mNm) | 0.76 | 0.75 | 0.71 |
| Torque upto (mNm) | 0.90 | 0.90 | 0.85 |
| Torque Constant (mNm/A) | 2.7 | 5.4 | 7.7 |

Disc Magnet Stepper Motor (Disc rotor type permanent magnetstepper motor offers many advantages such as higher torque at high speed, high torque to weight ratio, very low moment of inertia, high torque to inertia ratio, low power consumption, ironless rotor and stator having minimum iron loss using SiFe laminations):

|  |  |  |
| --- | --- | --- |
| Parameter/Model(P010 104) | P010 064 003 21 | P010 064 020 21 |
| Diameter (mm) | 10 | 10 |
| Holding Torque Typical(mNm) | 1.8 | 1.8 |
| Detent Torque Max (mNm) | 0.90 | 0.90 |
| Linear Travel Accuracy | 15 | 15 |
| Steps Per Revolution | 24 | 24 |
| Back EMF Amplitude(V/ksteps/s) | 0.9 | 2.2 |
| Inductance per phase (mH) | 1.8 | 13.7 |
| Resistance per phase (ohm) | 3 | 19 |
| Nominal Current, 1 Phase ON (A) | 0.52 | 0.21 |
| Nominal Current, 2 Phase ON(A) | 0.37 | 0.15 |

|  |  |  |
| --- | --- | --- |
| Parameter/Model(P010 104) | P010 104 003 21 | P010 104 020 21 |
| Diameter (mm) | 10 | 10 |
| Holding Torque Typical(mNm) | 1.8 | 1.8 |
| Detent Torque Typical (mNm) | 1.5 | 1.5 |
| Linear Travel Accuracy | 9 | 9 |
| Steps Per Revolution | 40 | 40 |
| Back EMF Amplitude(V/ksteps/s) | 0.5 | 1.1 |
| Inductance per phase (mH) | 1.8 | 13.7 |
| Resistance per phase (ohm) | 3 | 19 |
| Nominal Current, 1 Phase ON (A) | 0.52 | 0.21 |
| Nominal Current, 2 Phase ON(A) | 0.37 | 0.15 |

|  |  |  |
| --- | --- | --- |
| Parameter/Model(PH010 064) | PH010 064 003 02 | PH010 064 010 02 |
| Diameter (mm) | 10 | 10 |
| Holding Torque Typical(mNm) | 2.4 | 2.4 |
| Detent Torque Max (mNm) | 1.10 | 1.10 |
| Linear Travel Accuracy | 15 | 15 |
| Steps Per Revolution | 24 | 24 |
| Back EMF Amplitude(V/ksteps/s) | 1.2 | 2.3 |
| Inductance per phase (mH) | 1.3 | 4.2 |
| Resistance per phase (ohm) | 3 | 10 |
| Nominal Current, 1 Phase ON (A) | 0.52 | 0.28 |
| Nominal Current, 2 Phase ON(A) | 0.37 | 0.20 |

|  |  |  |
| --- | --- | --- |
| Parameter/Model(PH010 104) | PH010 104 003 02 | P010 064 010 02 |
| Diameter (mm) | 10 | 10 |
| Holding Torque Typical(mNm) | 2.1 | 2.1 |
| Detent Torque Max (mNm) | 1 | 1 |
| Linear Travel Accuracy | 9 | 9 |
| Steps Per Revolution | 40 | 40 |
| Back EMF Amplitude(V/ksteps/s) | 0.6 | 1.2 |
| Inductance per phase (mH) | 1.3 | 4.2 |
| Resistance per phase (ohm) | 3 | 10 |
| Nominal Current, 1 Phase ON (A) | 0.52 | 0.28 |
| Nominal Current, 2 Phase ON(A) | 0.37 | 0.20 |

Faulhaber has Variety of Motor: https://www.faulhaber.com/en/products/