SYNTRON

2-Phase Hybrid Stepping Motors 56（K） Series

High Torque/Volume Ratio, Low Resonance

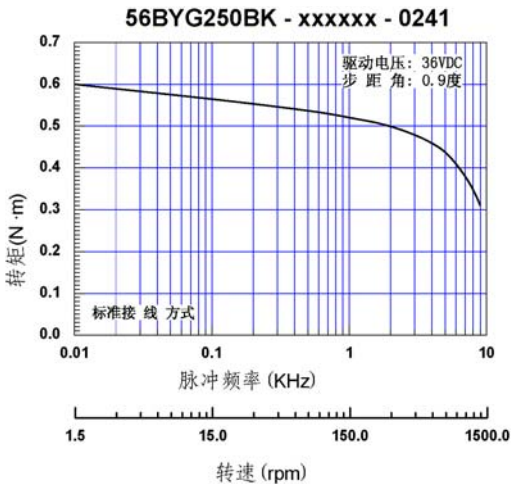
Insulation Resistance:	500VDC 100MΩ Min
Shaft Axial Play:	1mm Max
Shaft Radial Play:	0.02mm Max
Temperature Rise:	65K Max
Dielectric Strength:	500VAC 1Minute
Ambient Temperature:	-25℃～+40℃
Class of Insulation:	B

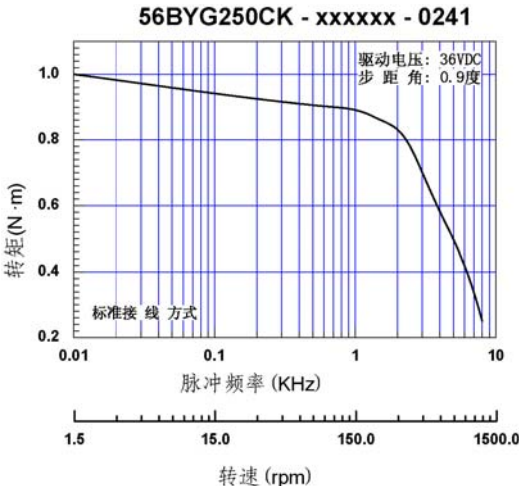
Electrical Ratings

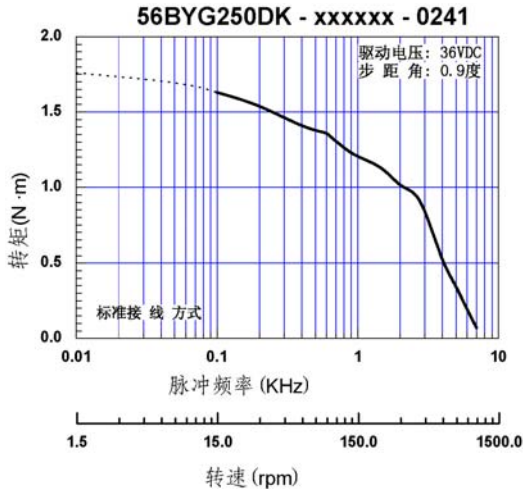
Items	Module	Phase	Step Angle (°)	Phase Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Holding Torque (Nm)	Detent Torque (Nm)	No Load Starting Frequency at Half Step Mode (KHz)	Weight (Kg)	Rotor Inertia (gcm^2)	Dimensions
000535	**56BYG250BK-SASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**0.95**	**2.4**	**0.65**	**0.03**	**2.7**	**0.48**	**180**	**1**
000536	**56BYG250BK-BASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**0.95**	**2.4**	**0.65**	**0.03**	**2.7**	**0.48**	**180**	**2**
000763	**56BYG250CK-SASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**1.2**	**4.0**	**1.04**	**0.04**	**2.8**	**0.6**	**260**	**1**
000815	**56BYG250CK-BASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**1.2**	**4.0**	**1.04**	**0.04**	**2.8**	**0.6**	**260**	**2**
000771	**56BYG250DK-SASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**1.5**	**5.4**	**1.72**	**0.07**	**3.0**	**1**	**460**	**1**
000525	**56BYG250DK-BASSBL-0241**	**2**	**0.9/1.8**	**2.4**	**1.5**	**5.4**	**1.72**	**0.07**	**3.0**	**1**	**460**	**2**
000779	**56BYG250DK-SASSHL-0241**	**2**	**0.9/1.8**	**2.4**	**1.5**	**5.4**	**1.72**	**0.07**	**3.0**	**1**	**460**	**3**
000766	**56BYG250EK-SASSBL-0601**	**2**	**0.9/1.8**	**6.0**	**0.5**	**1.8**	**2.5**	**0.12**	**3.1**	**1.5**	**750**	**1**

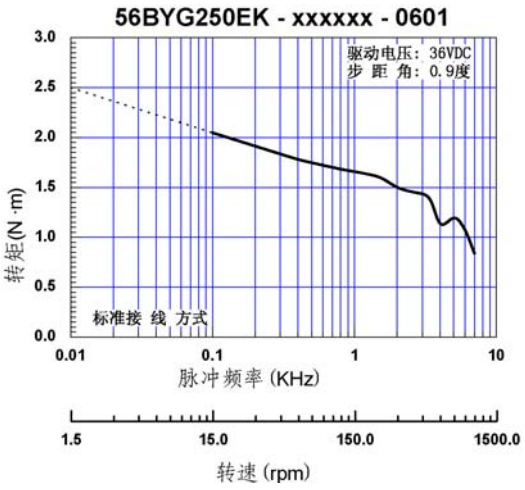
Matched driver：SH-20504 SH-20806D SH-20806E SH-20403 SD-20403 SD-20504 SD-20806 SD-20506A

Pullout torque Speed Curves



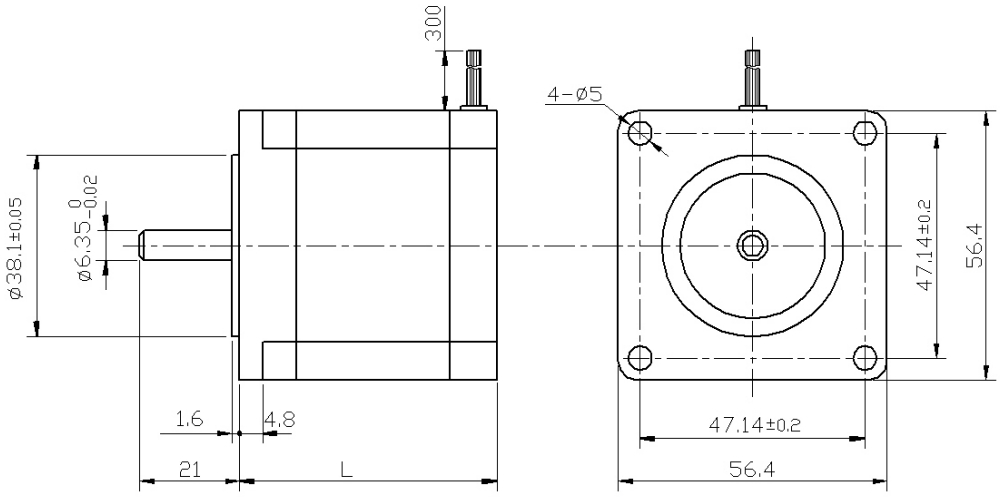






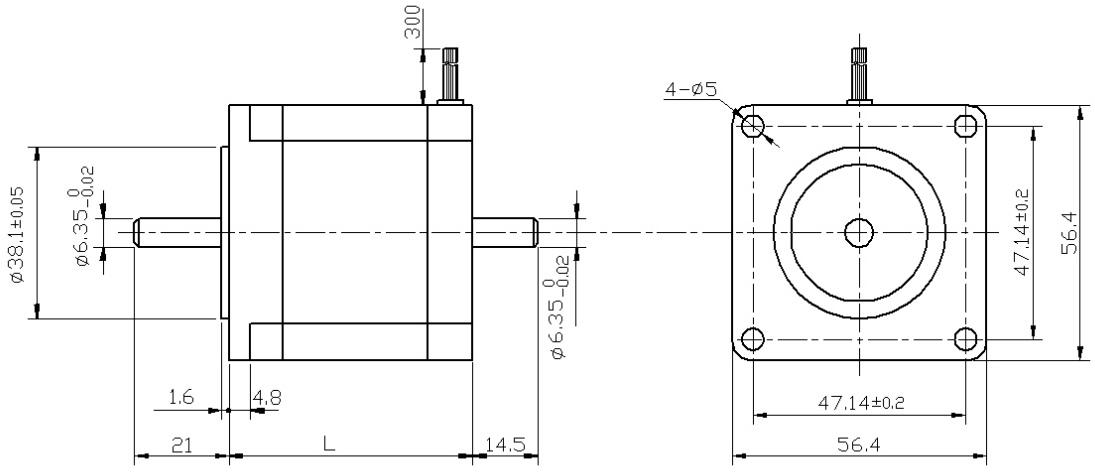
Dimensions [Unit：mm]

Diagram 1 56BYG250x – SASSBL –xxxx



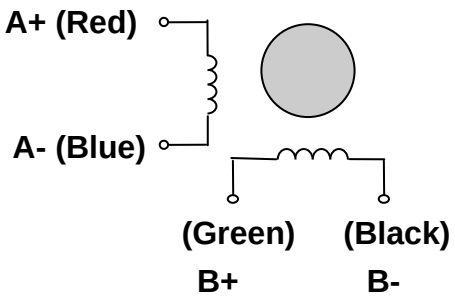
	56BYG250BK-SASSBL	56BYG250CK-SASSBL	56BYG250DK-SASSBL	56BYG250EK-SASSBL
a	6.35	6.35	6.35	8
L	45	54	76	111

Diagram 2 56BYG250x – BASSBL –0241



	56BYG250BK-BASSBL	56BYG250CK-BASSBL	56BYG250DK-BASSBL
L	45	54	76

Wiring Diagram



⚠ Cautions:

1. Flange mounting is mandatory for concentricity.
2. Hazard will happen for wrong connection.

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