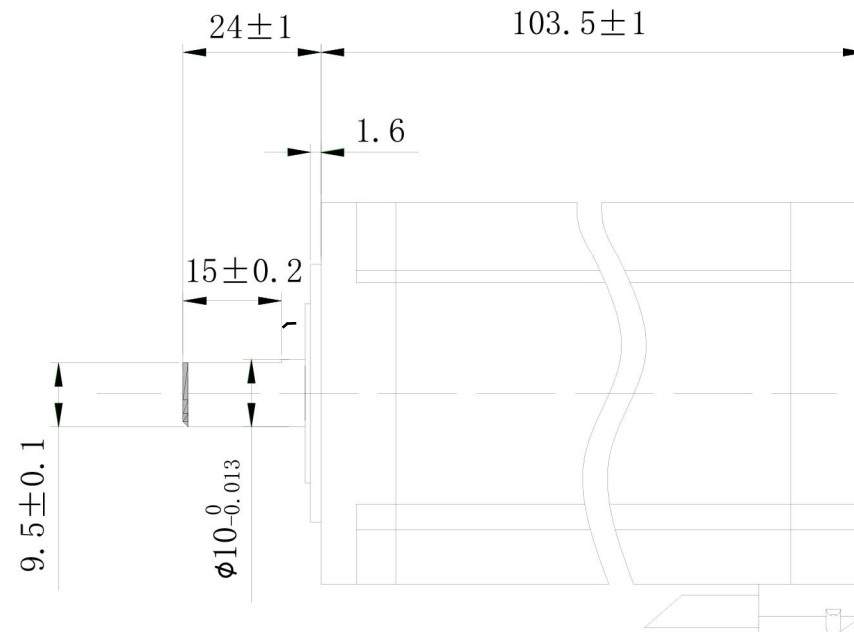
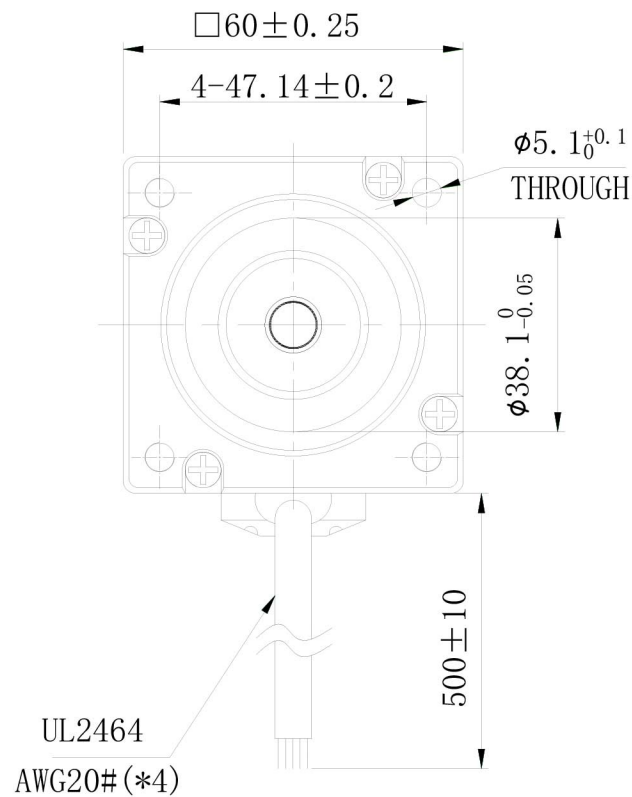




Phase	2	Rated Operating Status	Continuous
Step Angle	1.8° ±5%	Lifetime (Hours)	Above 5000H
Step Angle Error (No Load)	±0.09° or below	Temperature Rise	Below 80K
Current	5.0A	Insulation Withstand Voltage	500V A.C
Resistance (Phase)	0.65 Ω±10%	Insulation Resistance	Above 100 MΩ
Inductance (Phase)	2.4 mH±20%	Insulation Class	B
Holding Torque	3.5 N.m	Operating Temperature Range	0° C~+50° C
Rotor Inertia	≈900 g.cm ²	Operating Humidity Range	20%RH~90%RH
Weight	≈1.5KG	Storage Temperature Range	-20° C~+70° C
Radial Runout	0.025 MM(Load 450g)	Storage Humidity Range	15%RH~95%RH
Axial Runout	0.005 MM(Load 920g)		

Wire Color and Connection Diagram of the Motor

Note: The color and order of the motor leads are subject to the actual object.

Excitation Sequence (2-Phase Excitation)

CW	STEP	A	B	A-B	
	1	+	-	-	
	2	-	+	-	
	3	-	-	+	
	4	+	-	+	

Initial Direction: Follow the excitation sequence in the table, observing the clockwise direction from the mounting surface.

Label Content

Motor Model: SM2405

Brand: HDB MOTOR

Rated Current: 5.0 A, 0.65 Ω

Resistance: 3.5 N.m, 2.4 mH

Inductance: HANDBERG MOTOR CO., LTD. MADE IN CHINA

Stepping Motor: 2-PHASE 1.8° STEP

客户签字确认						视图方式:				SM2405 TWO-PHASE HYBRID STEPPER MOTOR	
标记		处数		更改文件号		签名		年 月 日		比例 1:1   WWW.HDBMOTORS.COM	
设计				标准化							
校核				工艺							
审核				批准							
图样标记		H				共 1 张		第 1 张			