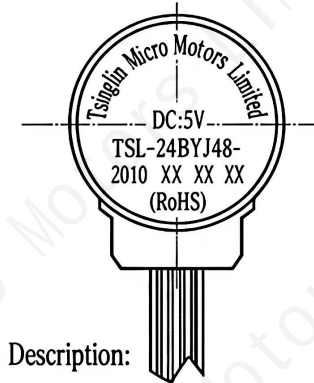
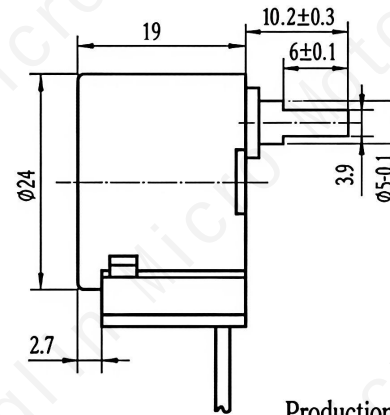
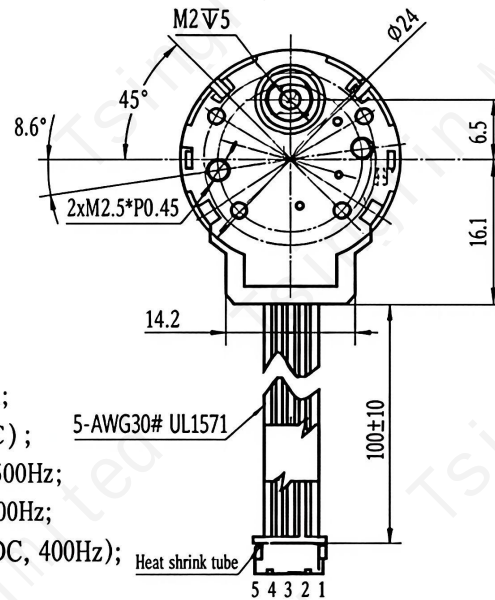


Technical Requirements:

1. Rated voltage: 5 VDC;
2. Number of phases: 4;
3. Reduction ratio: 1/64;
4. Step angle: 5.625° ;
5. Drive mode: 1-2 phase excitation;
6. DC resistance: $20\Omega \pm 10\%$ (25°C);
7. No-load operating frequency: $>500\text{Hz}$;
8. No-load starting frequency: $>1000\text{Hz}$;
9. Pull-in torque: $>80\text{mN} \cdot \text{m}$ (5VDC, 400Hz);
10. Pull-out torque: $>70\text{mN} \cdot \text{m}$;
11. Insulation resistance: $>50\text{M}\Omega$ (500V);
12. Insulation withstand voltage: 600VAC/1mA/1s;
13. Insulation class: B;
14. Temperature rise: $<60\text{K}$;
15. Noise: $<40\text{dB}$ (100Hz, no-load, 10cm);
16. Terminal strength: $1.25 \times 5\text{P}$;
17. Output shaft verticality: $90 \pm 1^\circ$;
18. Axial play: $0.05 \sim 0.3\text{mm}$;
19. Other dimensions not specified are for reference only, not subject to GB/T 1804-m class.
20. Friction torque: $150 \sim 294\text{mN} \cdot \text{m}$



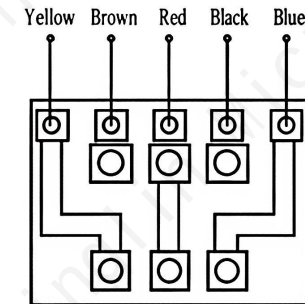
Production Date Description:

XX-XX-XX X
 Drive batch code (A, B, C, ...)
 Month (01-31)
 Year (01-12)
 Year (A.D.)

1-2 Phase Excitation Sequence
 (Viewed from output shaft side, CW)

Step	Color	Excitation sequence							
		1	2	3	4	5	6	7	8
5	Blue						-	-	-
4	Brown	-		-	-	-	-	-	
3	Yellow		-	-	-				
2	Black	-	-						-
1	Red	+	+	+	+	+	+	+	+

Wiring Diagram



				Tsinglin Micro Motors Limited		
				Outline Drawing of Stepping Motor		
				24BYJ48-2010		
Mark	Qty.	Change Content	By	Date	Drawing No.	Weight
Designed						Scale
Checked						2:1
Approved					Total Sheets	Sheet No.
Date						