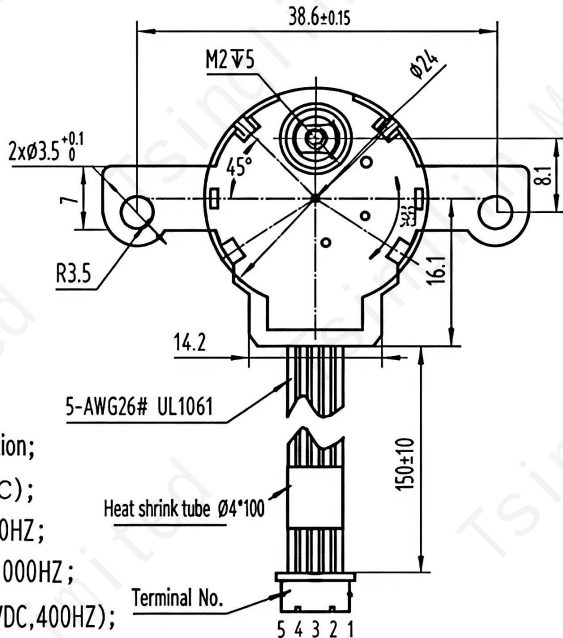


Technical Requirements:

- 1. Rated Voltage: 12 VDC;
- 2. Number of Phases: 4;
- 3. Reduction Ratio: 1/64;
- 4. Step Angle: 5.625°;
- 5. Drive Method: 1-2 Phase Excitation;
- 6. DC Resistance: 75 Ω±10% (25℃);
- 7. No-load Pull-in Frequency: >500HZ;
- 8. No-load Pull-out Frequency: >1000HZ;
- 9. Pull-in Torque: >110mN.m (12VDC,400HZ);
- 10. Detent Torque: >70mN.m;
- 11. Insulation Resistance: >50M Ω (500V);
- 12. Dielectric Strength: 600VAC/1mA/1s;
- 13. Insulation Class: B;
- 14. Temperature Rise: <60K (100HZ);
- 15. Noise: <40dB (A) (100HZ, no load, 10cm);
- 16. Terminal Pull-out Force: 2.54±5P;
- 17. Output Shaft Radial Play: 90±1°;
- 18. Output Shaft Axial Play: 0~0.3mm;
- 19. Overall Dimensions: As per drawing, unmarked tolerances in accordance with GB/T 1804-m class.
- 20. Friction Torque: 150~294mN·m



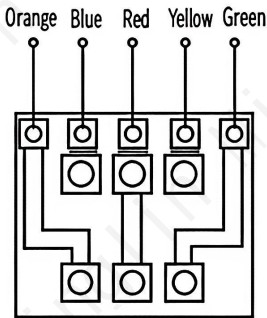
1-2 Phase Excitation Sequence Table
(Viewed from Output Shaft End, Counterclockwise CCW)

Pin No.	Wire Color	Drive Sequence							
		1	2	3	4	5	6	7	8
5	Blue						-	-	-
4	Green				-	-	-		
3	Yellow		-	-	-				
2	Orange	-	-						-
1	Red	+	+	+	+	+	+	+	+

Production Date Description:

XX-XX-XX X
Production Batch Code (A, B, C...)
Day (01-31)
Month (01-12)
Year (A.D.)

Wiring Diagram



				Tsinglin Micro Motors Limited			
				Motor Outline Drawing			
				24BYJ48-2004			
Mark	Qty	Change Description	Name	Date	Material	Mark	Weight
Designed							Scale
							2:1
			Date		Approval	Sheet	of
							Sheets