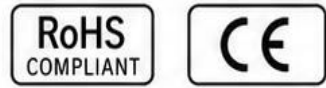
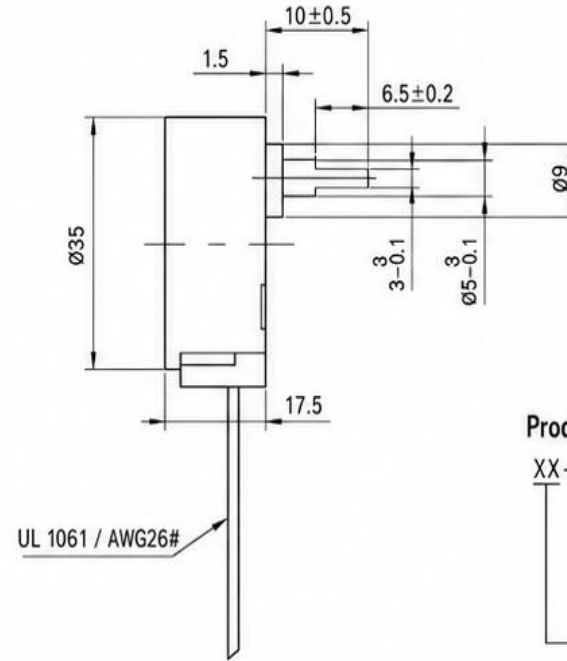
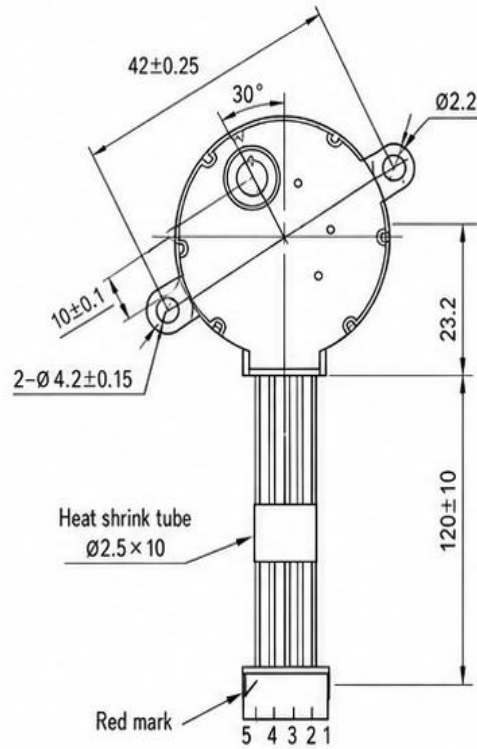


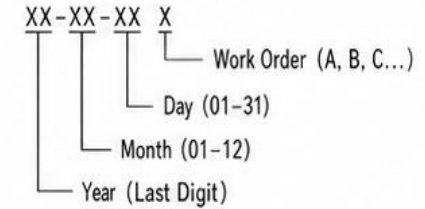
Dimensions Unit: mm

Technical Requirements:

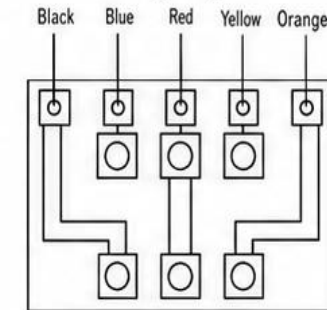
1. Rated Voltage: 12 VDC;
2. Phases: 4;
3. Reduction Ratio: 1/85;
4. Step Angle: 7.5°;
5. Drive Mode: 1-2 Phase Excitation;
6. DC Resistance: 130 Ω ±10% (25°C);
7. Pull-in Frequency (No Load): >500 PPS;
8. Pull-out Frequency (No Load): >800 PPS;
9. Pull-in Torque: >107.8 mN·m (1100 gf·cm)
(12V DC, 100PPS);
10. Detent Torque: >80 mN·m;
11. Insulation Resistance: >50 MΩ (500V);
12. Dielectric Strength: 600 VAC / 1 mA / 1 s;
13. Insulation Class: B;
14. Temperature Rise: <60 K (100PPS, run for 2 minutes);
15. Noise: <45 dB(A) (100PPS, no load, 10 cm);
16. Terminal Specification: SMH250-05
white connector with latch;
17. Output Shaft Perpendicularity: 90±1°;
18. Axial Clearance: 0.05-0.3 mm;
19. Dimensions in parentheses are for reference only.
Unspecified tolerances according to GB/T 1804-c.



Production Date Code:



Wiring Diagram



1-2 Phase Excitation Sequence Table
(Viewed from output shaft, counterclockwise [CCW])

Step	Wire Color	Excitation Sequence							
		1	2	3	4	5	6	7	8
1	Blue	+	-	-	+	-	-	+	-
2	Orange	+	+	-	-	+	+	-	-
3	Yellow	-	+	+	-	-	+	+	-
4	Pink	-	-	+	+	-	-	+	+
5	Red	+	+	+	+	+	+	+	+

"+" : Energized "-" : Not Energized

				Motor Outline Drawing		Tsinglin Micro Motors Limited	
Mark	Rev.	Description	Date			Motor Outline Drawing	
Designed	Checked	Approved	Date	Scale	Units		
				2:1	mm	35BYJ46-1006	
Date				Sheet	1	of	1