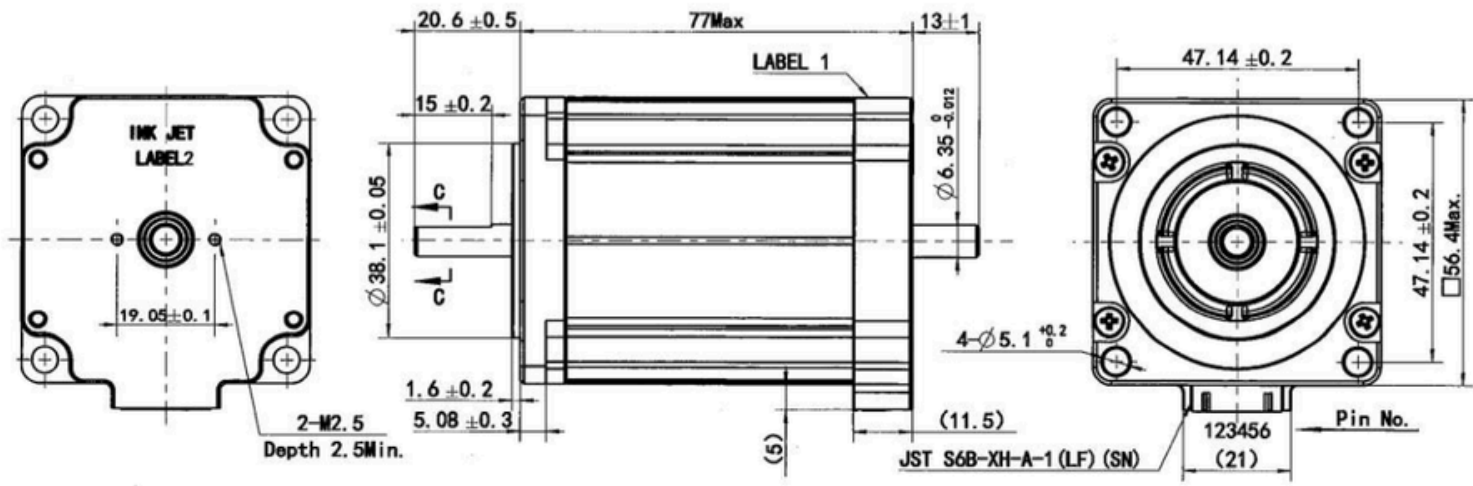
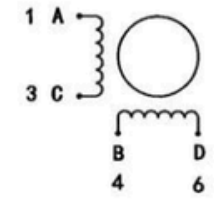


ML23HSAP4150-E



Wiring Diagram



Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	CCW
1	+	+	-	-	↑
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

↓ CW

Clockwise view from mounting side

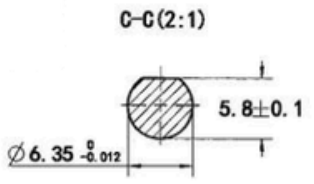
Label Detail 1

MOONS' STEPPING MOTOR  
 Insulation: Class B, 60VDC Max.  
 1.5Amps Holding: 2.3Nm  
 3000RPM Max. **CAUS**  
 UL FILE No. E465363 XXX Factory ID

Label Detail 2

TYPE ML23HSAP4150-E  
 XXXXXXXX YY/MM/DD  
 Work Order Date Format

Hybrid Stepping Motor Specification	
1. Number of Phase	2
2. Step Angle	1.8°
3. Rated Voltage	6.45 V DC
4. Rated Current	1.5 Amp
5. Holding Torque	2.3 Nm Typ. (Two phase on/rated current)
6. Phase Resistance	4.3 ohm ± 10% (20°C)
7. Phase Inductance	18.5 mH ± 20% (1kHz 1V rms)
8. Rotor Inertia	365 gcm <sup>2</sup>
9. Motor Weight	0.84 kg
10. Insulation Class	B (130°C)



			Unit: mm	Approve						
			FIRST ANGLE METHOD	Standardize						
			Tolerance for linear and angular dimensions without individual tolerance indications GB/T 1804-m eqv ISO 2768-1: m	Process Review						
			Geometrical tolerance for features without individual tolerance indications GB/T 1184-K eqv ISO 2768-2: K	Check						
				Design						
A1	ECR23-317	⚠	2023.03.23	NAMES	SIGNATURE	DATE	Drawing No: 4611110027526	Rev. A1	SCALE: 1:1	Sheet 1 of 1
A0	Original revision		2017.09.16							
REV.	REVISION RECORD		DATE	UNLESS OTHERWISE SPECIFIED						

