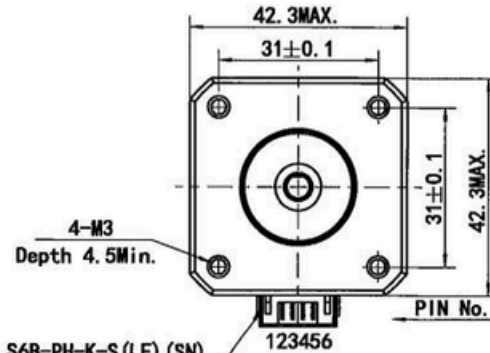
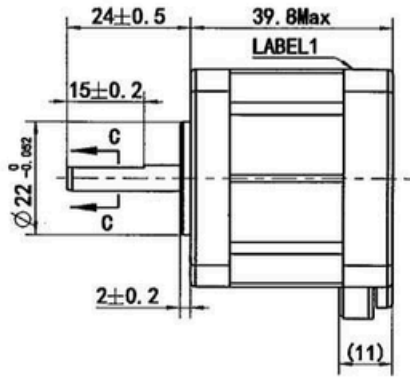
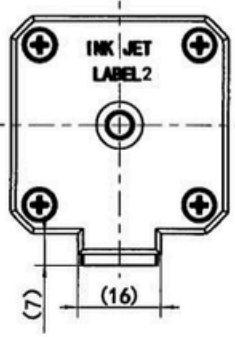
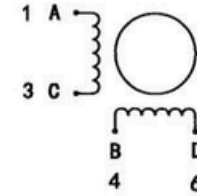


MS17HD2P4200



JST S6B-PH-K-S (LF) (SN)
or MOLEX 89401-0610

Wiring Diagram



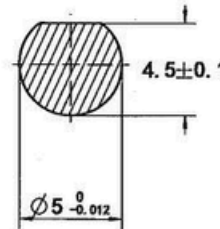
Exciting Sequence vs. Direction of Rotation

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

Clockwise view from mounting side

| Hybrid Stepping Motor Specifications | |
|--------------------------------------|---|
| 1. Number of Phase | 2 |
| 2. Step Angle | 1.8° |
| 3. Rated Voltage | 2.08 V DC |
| 4. Rated Current | 2 Amp |
| 5. Holding Torque | 0.48 Nm Typ. (Two phase on/rated current) |
| 6. Phase Resistance | 1.04 ohm±10% (20°C) |
| 7. Phase Inductance | 2.2 mH±20%(1kHz 1V rms) |
| 8. Rotor Inertia | 57 gcm ² |
| 9. Motor Weight | 0.28 kg |
| 10. Insulation Class | B (130°C) |

C-C(4:1)



Label 1 Detail

STEPPING MOTOR
Insulation: Class B, 60VDC Max.
2Amps Holding, 0.48Nm
3000RPM Max. **CAUS**
UL FILE No. E465363 XXX
Factory ID

Label 2 Detail

TYPE MS17HD2P4200
XXXXXXXX YY/MM/DD
Work Order Date Format

| REV. | REVISION RECORD | DATE | UNLESS OTHERWISE SPECIFIED | NAMES | SIGNATURE | DATE | Drawing No: 4611110008901 | Rev. E1 | SCALE: 1:1 | Sheet 1 of 1 |
|------|--|------------|--|----------------|-----------|------|---------------------------|---------|------------|--------------|
| E1 | ECR: 23-317 | 2023.03.29 | Unit:mm | Approve | | | | | | |
| E0 | Update nameplate | 2017.04.24 | First angle method | Standardize | | | | | | |
| DO | 441 mNm Min, Change the nameplate | 2013.01.24 | Tolerances for linear and angular dimensions without individual tolerance indications GB/T 1804-m eqv ISO 2768-1:m | Process Review | | | | | | |
| CO | 490 mNm Min. | 2012.11.07 | Geometrical tolerance for features without individual tolerance indications GB/T 1184-K eqv ISO 2768-2:K | Check | | | | | | |
| BO | 1.03ohm, 2.3mH, 2.06V, P/N:R17HD40P421 | 2012.03.12 | | Design | | | | | | |
| A0 | Original revision | 2011.07.18 | | | | | | | | |