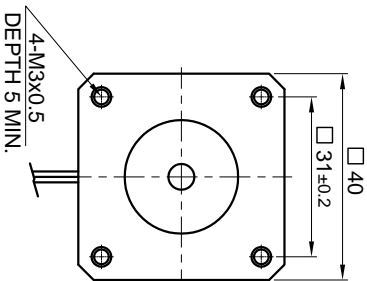
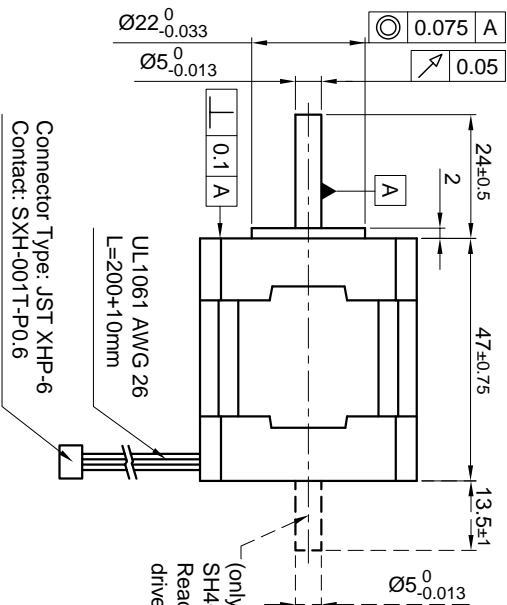


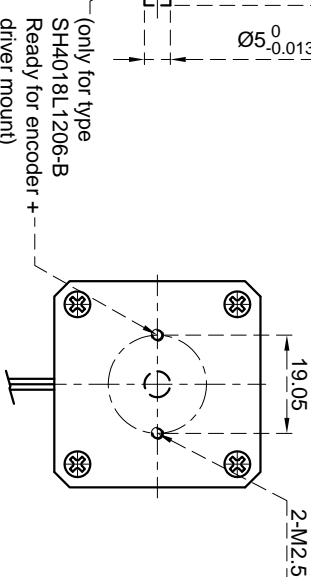
Front view and mounting



Side view

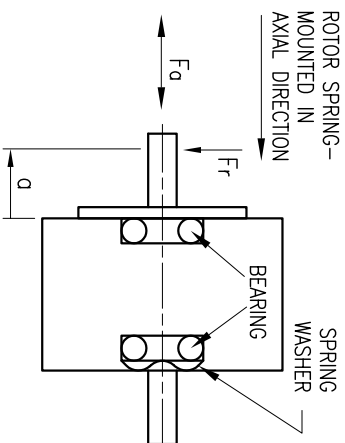


Rear view



CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	4.0	5.66
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.3±15%	6.6±15%
INDUCTANCE/PHASE (mH) @1KHz	3.3±20%	13.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.22 [1.947]	0.311 [2.752]
DETENT TORQUE (Nm) [lb-in]	6.6x10 ⁻³ [0.0584]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	3.5x10 ⁻⁶ [0.012]	
WEIGHT (Kg) [lb]	0.30 [0.662]	
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]		
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130° [266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	FR	FR	FR	FR
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
SHAFT PLAY (mm)	0.075	0.075	0.025	
AT LOAD MAX: (N)	10	5.0		

REV	DESCRIPTION	DATE	APVD	APVD	SH4018L1206

TYPE OF CONNECTION (EXTERN)	MOTOR			
	UNIPOLAR	BIPOLAR TWINNING	BIPOLAR SERIAL	CONNECTOR PIN NO.
A COM	A COM	A	1	WHT
B COM	B COM	A\	5	BRN
B\	B\	B	3	RED
		B COM	2	BLU
			6	BRN
			4	YEL

WIRING DIAGRAM

for >speed ← → for <speed ← →

FULL STEP 2 PHASE-EX., WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW
1	+	+	-	-	←
2	-	+	+	-	←
3	-	-	+	+	→
4	+	-	-	+	→

SCALE FREE

APVD	CHKD	DRN	SIGNATURE	DATE
S.K.			J.W.	04.07.06

STEPPING MOTOR

DWG:NO SH4018L1206