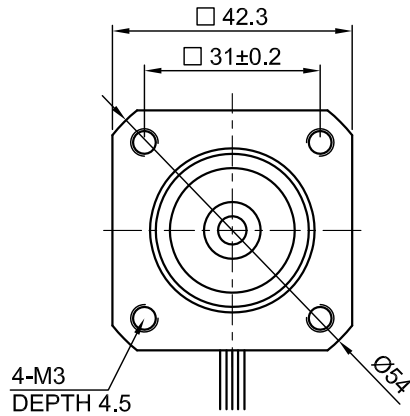
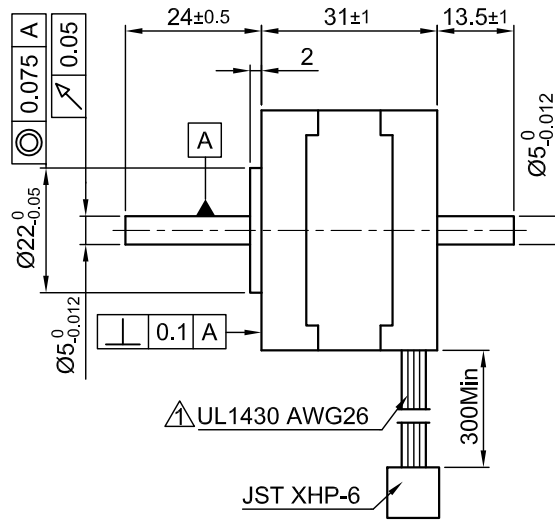


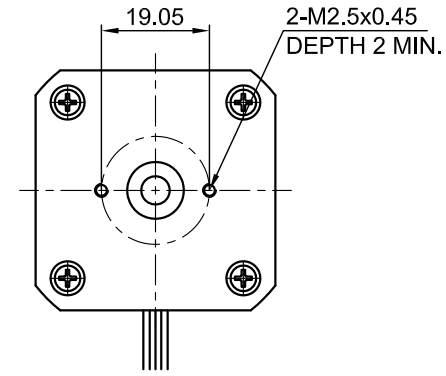
Front view and mounting



Side view

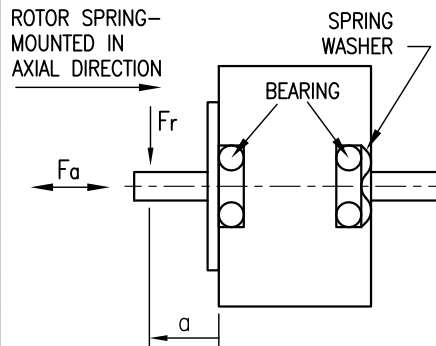


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	3.7	5.2 $\triangle$
AMPS/PHASE	0.95	0.67
RESISTANCE/PHASE (Ohms)@25°C	3.9±15%	7.8±15%
INDUCTANCE/PHASE (mH) @1KHz	2.8±20%	11.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.15 [1.416]	0.226 [2.0]
DETENT TORQUE (Nm) [lb-in]	5.9x10 <sup>-3</sup> [5.2x10 <sup>-2</sup> ]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	3.8x10 <sup>-6</sup> [1.3x10 <sup>-2</sup> ]	
WEIGHT (Kg) [lb]	0.2 [0.44]	
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	F <sub>a</sub> =7	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	DISTANCE a (mm)	
INSULATION CLASS B 130° [266°F]	RADIAL-FORCE Fr (N)	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	AXIAL	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	RADIAL	
	SHAFT PLAY (mm)	
	AT LOAD MAX: (N)	

PERMISSIBLE RADIAL+AXIAL FORCE



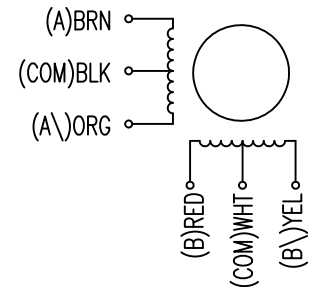
TYPE OF CONNECTION (EXTERN)	MOTOR		
	UNIPOLAR	BIPOLAR	CONNECTOR PIN NO.
A ---	A ---	1	BRN
COM ---	COM ---	5	BLK
A\ ---	A\ ---	3	ORG
B ---	B ---	2	RED
COM ---	COM ---	6	WHT
B\ ---	B\ ---	4	YEL

for >speed ←  
for <speed ←

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

STEP	A	B	A\	B\	CCW
1	+	+	-	-	↓
2	-	+	+	-	↑
3	-	-	+	+	↓
4	+	-	-	+	↑

WIRING DIAGRAM



ST4118S1006-B

SCALE	FREE
X	±0.5
1PL	±0.2
2PL	±0.1
ANGLE	±30'

APVD	S.Ha.	26.02.07
CHKD		
DRN	J.W.	29.11.06
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO

ST4118S1006-B

1	UL NO.+VOLTAGE	28.10.10	J.W.
REV	DESCRIPTION	DATE	APVD