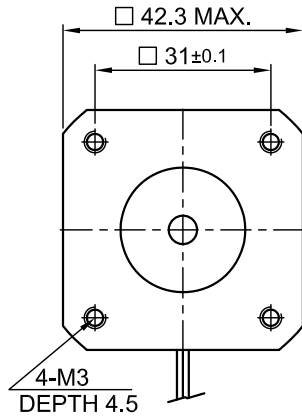
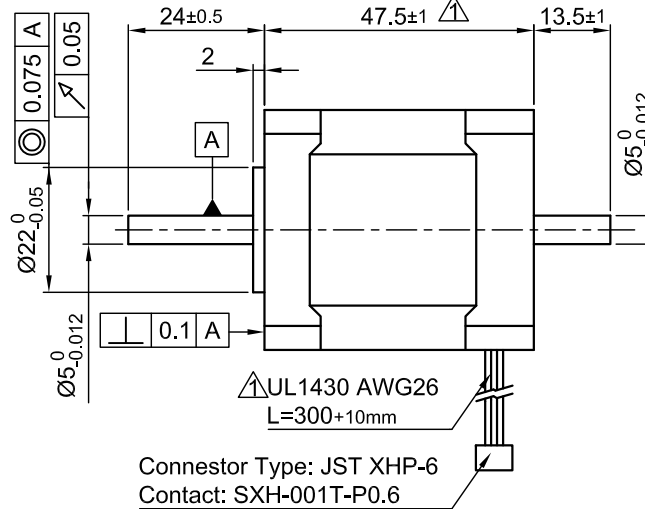


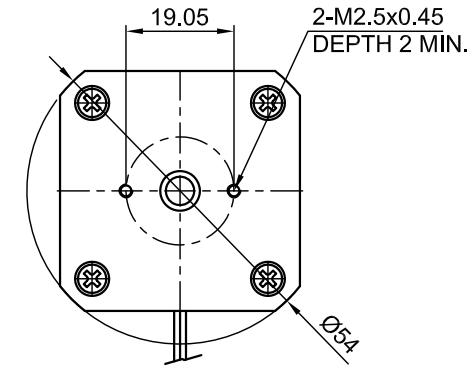
Front view and mounting



Side view

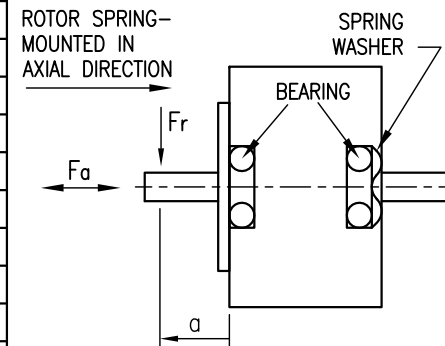


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	3.96	5.61
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.3±15%	6.6±15%
INDUCTANCE/PHASE (mH) @1KHz	4.8±20% $\Delta$	19.2±20% $\Delta$
HOLDING TORQUE (Nm) [lb-in]	0.31 [2.744]	0.438 [3.876]
DETENT TORQUE (Nm) [lb-in]	9.3x10 <sup>-3</sup> [0.0823]	
STEP ANGLE (°)	0.9	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	6.8x10 <sup>-6</sup> [0.0232]	
WEIGHT (Kg) [lb]	0.35 [0.772]	
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	
INSULATION CLASS B 130° [266°F]	AXIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	RADIAL	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	SHAFT PLAY (mm)	
	AT LOAD MAX: (N)	

PERMISSIBLE RADIAL+AXIAL FORCE



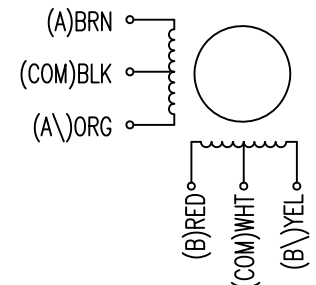
TYPE OF CONNECTION (EXTERN)	MOTOR		
	UNIPOLAR	BIPOLAR	CONNECTOR PIN NO.
A	A	A	1
COM	COM	COM	5
A\	A\	A\	3
B	B	B	2
COM	COM	COM	6
B\	B\	B\	4

for >speed  $\leftarrow$   
for <speed  $\leftarrow$

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

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

WIRING DIAGRAM



ST4209L1206-B

SCALE FREE	APVD	S.Hα.	26.02.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	28.06.06
2PL ±0.1	SIGNATURE	DATE	
ANGLE ±30'			

STEPPING MOTOR

DWG.NO

ST4209L1206-B

1	INDUCTANCE+UL NO.+LENGTH	05.05.09	J.W.
REV	DESCRIPTION	DATE	APVD