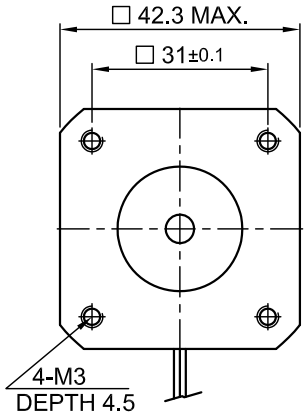
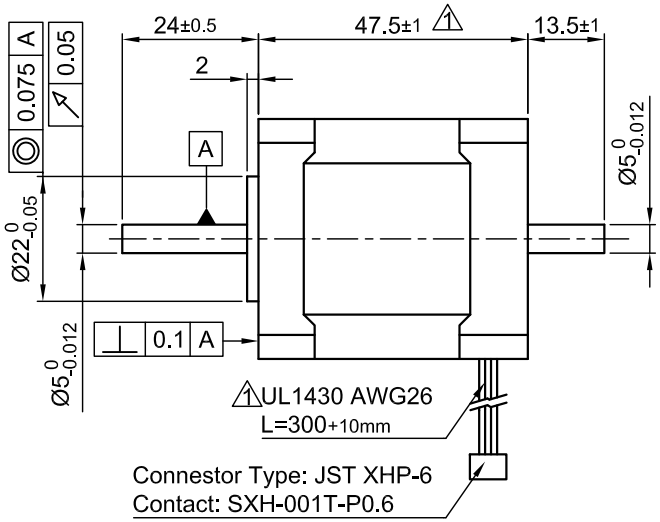
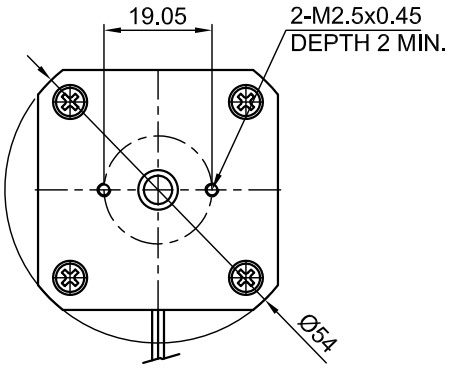
Front view and mounting



Side view

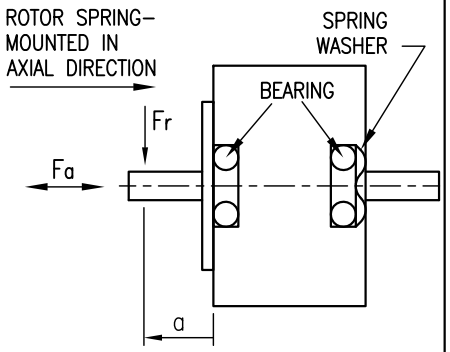


Rear view



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% ⚠1	19.2±20% ⚠1
HOLDING TORQUE (Nm) [lb–in]	0.31 [2.744]	0.438 [3.876]
DETENT TORQUE (Nm) [lb–in]	9.3×10^{-3} [0.0823]	
STEP ANGLE (°)	0.9	
STEP ACCURACY (NON–ACCUM)	±5%	
ROTOR INERTIA ($Kg–m^2$) [$lb–in^2$]	6.8×10^{-6} [0.0232]	
WEIGHT (Kg) [lb]	0.35 [0.772]	

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL–FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL–FORCE Fr (N)	58	36	26	20

	AXIAL	RADIAL
SHAFT PLAY (mm)	0.075	0.025
AT LOAD MAX: (N)	10	5.0

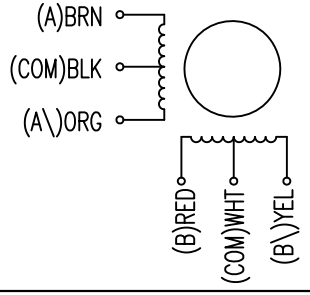
TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	1	BRN	A
COM	COM		5	BLK	COM
A\		A\	3	ORG	A\
B	B	B	2	RED	B
COM	COM		6	WHT	COM
B\		B\	4	YEL	B\

for >speed
for <speed

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

STEP	A	B	A\	B\		CCW
1	+	+	–	–		
2	–	+	+	–		
3	–	–	+	+		
4	+	–	–	+	CW	

WIRING DIAGRAM



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

Nanotec® PLUG & DRIVE

ST4209L1206–B

SCALE FREE		APVD	S.Ha.	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