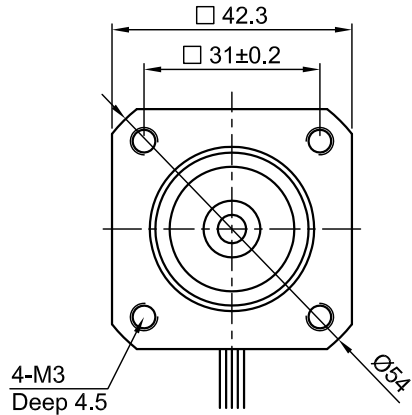
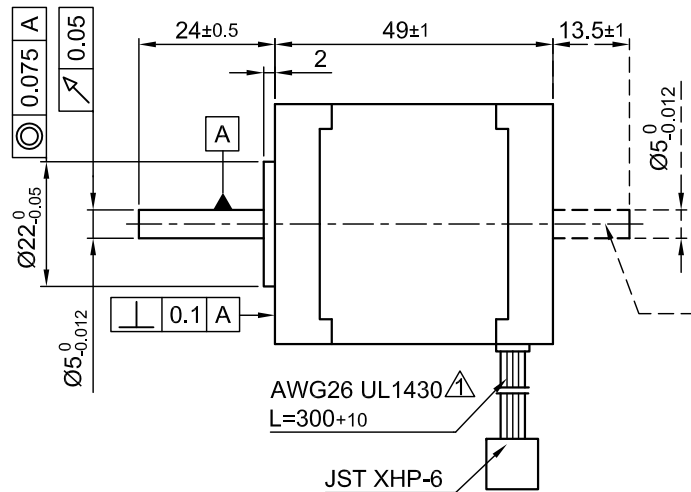


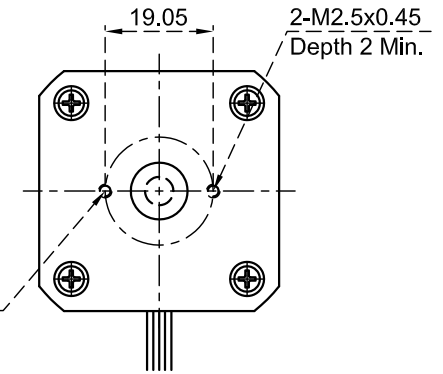
Front view and mounting



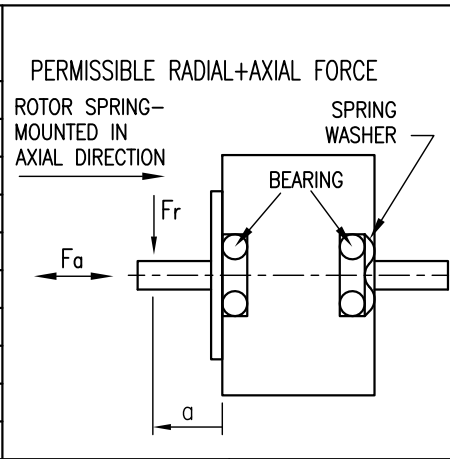
Side view



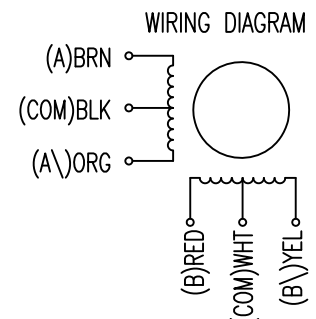
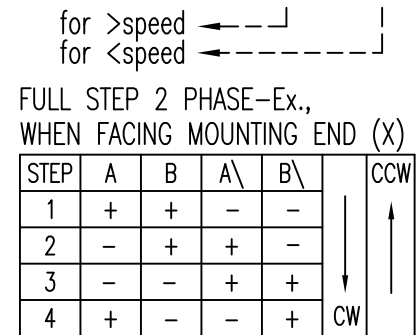
Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	4.0	5.6
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.3±15%	6.6±15%
INDUCTANCE/PHASE (mH) @1KHz	3.4±20%	13.6±20%
HOLDING TORQUE (Nm) [lb-in]	0.35 [3.1]	0.495 [4.381]
DETENT TORQUE (Nm) [lb-in]	1.37x10 ⁻² [0.1212]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	8.2x10 ⁻⁶ [2.8x10 ⁻²]	
WEIGHT (Kg) [lb]	0.34 [0.75]	



TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1WINDING	SERIAL			
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\



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=7			
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]		AXIAL		RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08		0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5		4.5	

				<p>Nanotec PLUG & DRIVE</p>	SCALE FREE	APVD	S.Ha.	26.02.07	<p>STEPPING MOTOR</p>
1	INDUCTANCE+UL NO.	28.01.10	J.W.		X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD	ST4118L1206	1PL ±0.2	DRN	J.W.	29.11.06	DWG.NO
					2PL ±0.1	SIGNATURE		DATE	ST4118L1206
					ANGLE ±30'				