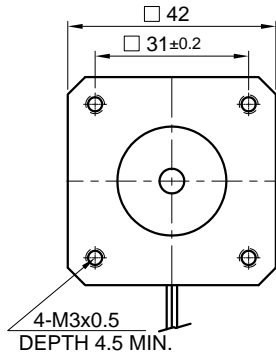
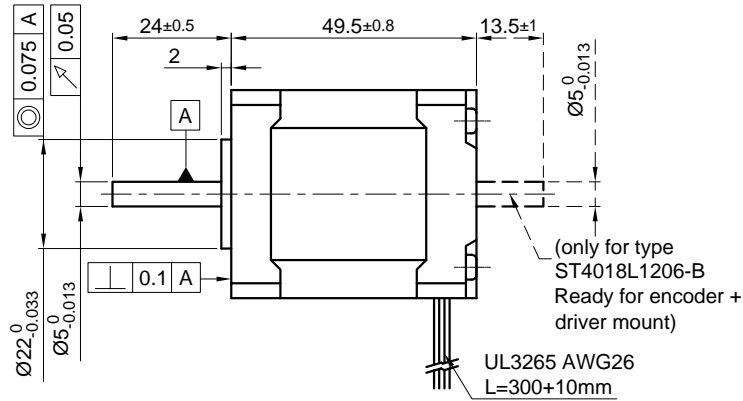


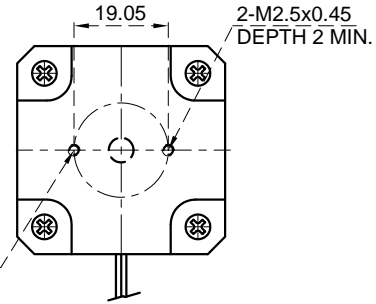
Front view and mounting



Side view

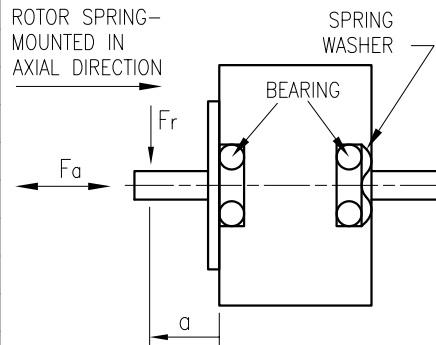


Rear view



SPECIFICATION	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	4.3±20%	17.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.343 [3.036]	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]	6.65x10 ⁻⁶ [0.0227]	
WEIGHT (Kg) [lb]	0.37 [0.82]	
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



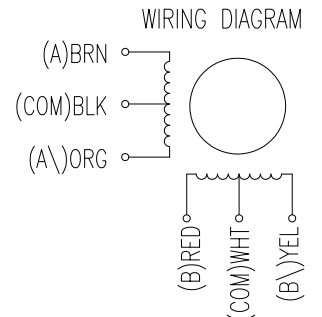
AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
SHAFT PLAY (mm)	AXIAL		RADIAL	
	0.075		0.025	
AT LOAD MAX: (N)	10	5.0		

UNIPOLAR	TYPE OF CONNECTION (EXTERN)		MOTOR	
	1WINDING	BIPOLAR SERIAL	LEADS	WINDING
A ---	A ---	A ---	BRN	A
COM ---	COM ---	COM ---	BLK	COM
A\ ---	A\ ---	A\ ---	ORG	A\
B ---	B ---	B ---	RED	B
COM ---	COM ---	COM ---	WHT	COM
B\ ---	B\ ---	B\ ---	YEL	B\

for >speed ←
for <speed ←

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

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



NANOTEC:				SCALE FREE	APVD	S.K.	26.04.06	STEPPING MOTOR
ST4018L1206				X ±0.5	CHKD			
				1PL ±0.2	DRN	J.W.	26.04.06	DWG.NO
REV	DESCRIPTION	DATE	APVD	ANGLE ±30'	SIGNATURE		DATE	ST4018L1206