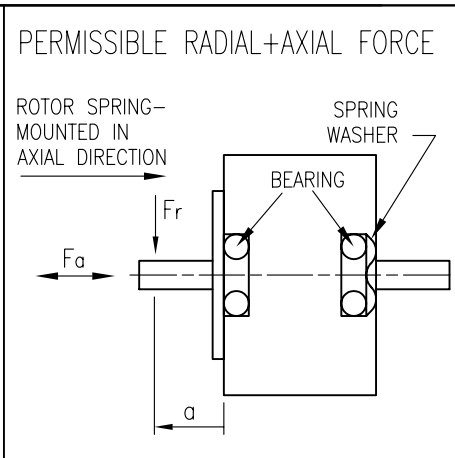
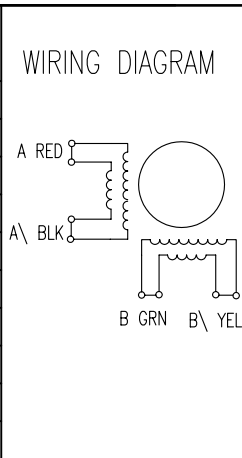


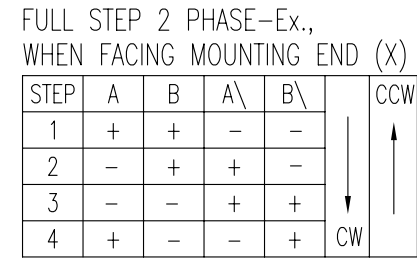
SPECIFICATION	CONNECTION	BIPOLAR PARALLEL
VOLTAGE (VDC)		2.18
AMPS/PHASE		9.5
RESISTANCE/PHASE (Ohms)@25°C		0.23±15%
INDUCTANCE/PHASE (mH) @1KHz		2.6±20%
HOLDING TORQUE (Nm) [lb-in]		5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]		0.11 [0.9735]
STEP ANGLE (°) ± ACCURACY		1.8 ± 5% (NON-ACCUM)
BACK-EMF (V) (300 U/min.)		20.57
ROTOR INERTIA (Kg-m²) [lb-in²]		1.97x10 ⁻⁴ [0.673] ▲
WEIGHT (Kg) [lb]		3.6 [7.94] ▲



ENCODER M12	
Pin	Assignment
1	A
2	A\
3	B
4	B\
5	GND
6	I
7	I\
8	Vcc
HOUSING	GND/SHIELDING

MOTOR D-SUB-15	
Pin	Assignment
1	A
2	A
3	A\
4	A\
5	B
6	B
7	B\
8	B\
9	NC
10	NC
11	BRAKE
12	BRAKE/GND
13	NC
14	NC
15	NC
HOUSING	GND/SHIELDING

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	Fa=65	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	DISTANCE a (mm)	5 10 15 20
INSULATION CLASS B 130° [266°F]	RADIAL-FORCE Fr (N)	535 355 256 200
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	AXIAL	RADIAL
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	SHAFT PLAY (mm)	0.075 0.025
	AT LOAD MAX: (N)	10 5.0



2	PIN VON N IN I UMBENNANT	24.09.07	J.W.	NANOTEC: AD8918M9504-EB	SCALE FREE	APVD	S.R.	18.04.07	STEPPING MOTOR
1	WEIGHT+ROTOR INERTIA	04.06.07	J.W.		X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD		1PL ±0.2	DRN	J.W.	18.04.07	DWG.NO
					2PL ±0.1	SIGNATURE		DATE	AD8918M9504-EB
					ANGLE ±30'				