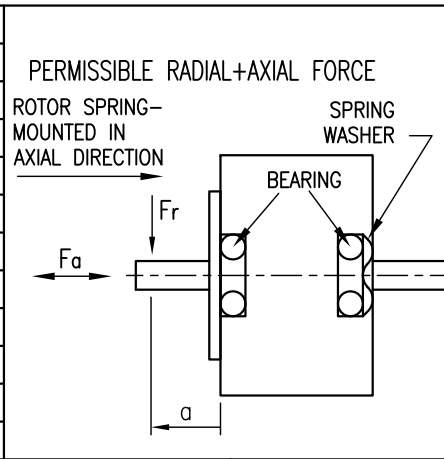


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.6		
AMPS/PHASE		6.7	4.7	9.5
RESISTANCE/PHASE (Ohms)@25°C		0.54±15%	1.08±15%	0.27±15%
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%	10.8±20%	2.7±20%
HOLDING TORQUE (Nm) [lb-in]		6.6 [58.41]	9.33 [82.57]	9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.20 [1.77]		
STEP ANGLE (°) ± STEP ACCURACY		1.8 ± 5% (NON-ACCUM)		
BACK-EMF (V) (300 U/min)		52.0		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.0x10 <sup>-4</sup> [1.025]		
WEIGHT (Kg) [lb]		3.95 [8.71]		

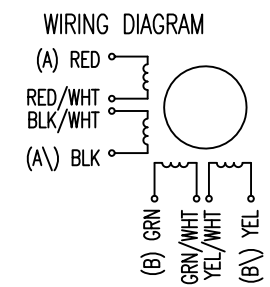


UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	BIPOLAR SERIAL	PARALLEL	LEADS	WINDING
A	A	A	A	RED	A
COM				RED/WHT	
A\		A\	A\	BLK/WHT	A\
B	B	B	B	BLK	B
COM				GRN	
B\		B\	B\	GRN/WHT	B\
				YEL/WHT	
				YEL	

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			AXIAL-FORCE Fa (N)	Fa=65
AMBIENT TEMPERATURE -20~ 50°C [-4°F ~ 122°F]			DISTANCE a (mm)	5 10 15 20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)			RADIAL-FORCE Fr (N)	535 355 256 200
INSULATION CLASS B 130° [266°F] (PROTECTION IP30-WITH TERMINAL BOX IP54)				AXIAL RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)			SHAFT PLAY (mm)	0.075 0.025
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)			AT LOAD MAX: (N)	10 5.0

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

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



3	VALUE OF RESISTANCE	11.11.10	J.W.
2	DIMENSION	07.04.08	J.W.
1	EMF(OLD)=46.3	18.09.07	J.W.
REV	DESCRIPTION	DATE	APVD

**Nanotec**  
PLUG & DRIVE

ST8918L6708

SCALE FREE	APVD	S.Ha.	09.01.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	13.06.06
2PL ±0.1	SIGNATURE		
ANGLE ±30'			

**STEPPING MOTOR**

DWG.NO ST8918L6708