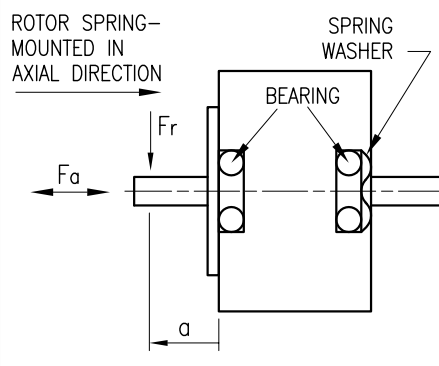


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.1		
AMPS/PHASE		6.7	4.7	9.5
RESISTANCE/PHASE (Ohms)@25°C		0.46±15%	0.92±15%	0.23±15%
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%	10.8±20%	2.7±20%
HOLDING TORQUE (Nm) [lb-in]		6.6 [58.41]	9.33 [82.57]	9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.20 [1.77]		
STEP ANGLE (°) ± STEP ACCURACY		1.8 ± 5% (NON-ACCUM)		
BACK-EMF (V) (300 U/min)		46.3		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		3.0x10 ⁻⁴ [1.025]		
WEIGHT (Kg) [lb]		3.95 [8.71]		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -20~ 50°C [-4°F ~ 122°F]				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				
INSULATION CLASS B 130° [266°F] (PROTECTION IP30-WITH TERMINAL BOX IP54)				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

PERMISSIBLE RADIAL+AXIAL FORCE

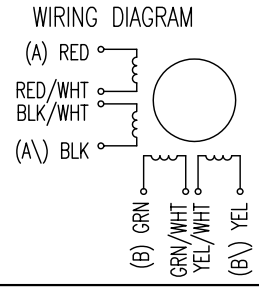


	AXIAL-FORCE Fa (N)	
	5	Fa=65
DISTANCE a (mm)	5	10 15 20
RADIAL-FORCE Fr (N)	535	355 256 200
		AXIAL RADIAL
SHAFT PLAY (mm)	0.075	0.025
AT LOAD MAX: (N)	10	5.0

UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	BIPOLAR SERIAL	BIPOLAR 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	

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

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



REV	DESCRIPTION	DATE	APVD	NANOTEC: ST8918L6708	SCALE FREE	APVD	S.Ha.	09.01.07	STEPPING MOTOR
					X ±0.5 1PL ±0.2 2PL ±0.1 ANGLE ±30'	CHKD			
						DRN	J.W.	13.06.06	ST8918L6708
						SIGNATURE		DATE	