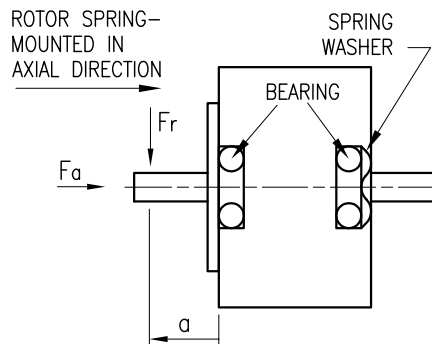


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.02	4.27	2.18
AMPS/PHASE		6.7	4.74	9.47
RESISTANCE/PHASE (Ohms)@25°C		0.45±15%	0.9±15%	0.23±15%
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%	10.8±20%	2.7±20%
HOLDING TORQUE (Nm) [lb-in]		6.6 [58.41]	9.33 [82.57]	9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.198 [1.752]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		4.0x10 <sup>-4</sup> [1.366]		
WEIGHT (Kg) [lb]		3.95 [8.71]		
HOUSING 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° [260°F]				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASING)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

**PERMISSIBLE RADIAL+AXIAL FORCE**



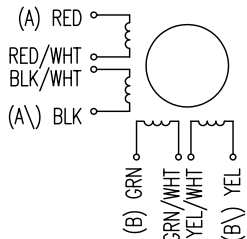
	AXIAL-FORCE Fa (N)			
	5	10	15	20
AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	265	200
		AXIAL	RADIAL	
SHAFT PLAY (mm)	0.075	0.025		
AT LOAD MAX: (N)	10	5.0		

UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	SERIELL	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	+	-	-	+	↓	↑

**WIRING DIAGRAM**



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE FREE	APVD	S.H.a.	09.01.07	<b>STEPPING MOTOR</b>	
				ST8718L6708	X ±0.5	CHKD			DWG.NO	ST8718L6708
					1PL ±0.2	DRN	J.W.	20.07.06		
					2PL ±0.1	SIGNATURE		DATE		
					ANGLE ±30'					