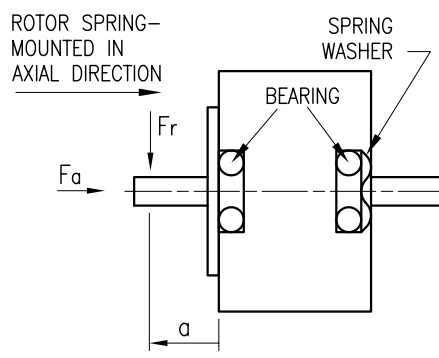


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		2.97	4.27	2.10
AMPS/PHASE		4.5	3.18	6.36
RESISTANCE/PHASE (Ohms)@25°C		0.66±15%	1.32±15%	0.33±15%
INDUCTANCE/PHASE (mH) @1KHz		3.0±20%	12±20%	3.0±20%
HOLDING TORQUE (Nm) [lb-in]		4.2 [37.17]	5.94 [52.57]	5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]		0.126 [1.115]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		2.7x10 <sup>-4</sup> [0.922]		
WEIGHT (Kg) [lb]		2.8 [6.174]		
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**

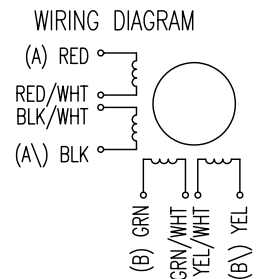


	AXIAL-FORCE Fa (N)			
	5	10	15	20
AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	265	200
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

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\	
1	+	+	-	-	CCW
2	-	+	+	-	
3	-	-	+	+	CW
4	+	-	-	+	



				NANOTEC:	SCALE FREE	APVD	<i>S.Ha.</i>	09.01.07	<b>STEPPING MOTOR</b>
				ST8718M4508	X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD			1PL ±0.2	DRN	<i>J.W.</i>	25.07.06
					2PL ±0.1	SIGNATURE			ST8718M4508
					ANGLE ±30'				