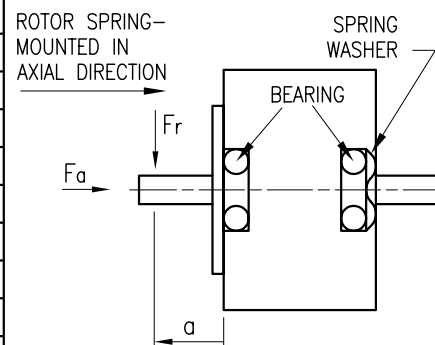


SPECIFICATION	CONNECTION		BIPOLAR	
	UNIPOLAR OR BIPOLAR-1 WINDING		SERIAL	PARALLEL
VOLTAGE (VDC)	1.8	▲	2.54	1.27
AMPS/PHASE	4.5		3.18	6.36
RESISTANCE/PHASE (Ohms)@25°C	0.4±15%	▲	0.8±15%	0.2±15%
INDUCTANCE/PHASE (mH) @1KHz	1.6±20%		6.4±20%	1.6±20%
HOLDING TORQUE (Nm) [lb-in]	2.0 [17.7]		2.83 [25.05]	2.83 [25.05]
DETENT TORQUE (Nm) [lb-in]	0.06 [0.531]			
STEP ANGLE (°)	1.8			
STEP ACCURACY (NON-ACCUM)	±5%			
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	1.4x10 <sup>-4</sup> [0.478]			
WEIGHT (Kg) [lb]	1.75 [3.86]			
HOUSING TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -10°C~ 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

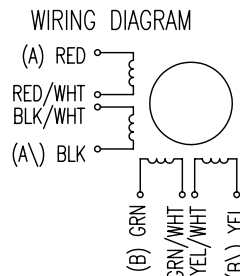


AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	265	200
	AXIAL	RADIAL		
SHAFT PLAY (mm)	0.075	0.025		
AT LOAD MAX: (N)	10	5.0		

TYPE OF CONNECTION (EXTERN)				MOTOR	
UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIELL	PARALLEL		
A	A	A	A	RED	A
COM				RED/WHT	
A\	A\	A\	A\	BLK/WHT	A\
B	B	B	B	BLK	B
COM				GRN	
B\	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:	SCALE FREE	APVD	S.H.a.	09.01.07	STEPING MOTOR
1	RESISTANCE+VOLTAGE	15.06.07	J.W.	ST8718S4508	X ±0.5	CHKD			DWG.NO ST8718S4508
					1PL ±0.2	DRN	J.W.	25.07.06	
					2PL ±0.1	SIGNATURE			
					ANGLE ±30'				