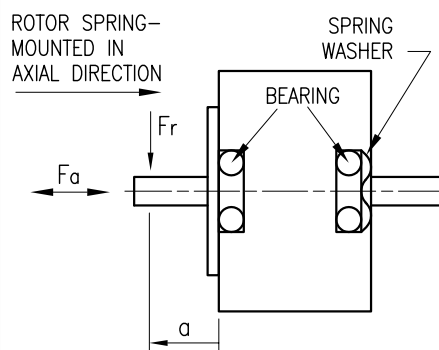


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.0		
AMPS/PHASE		6.7	4.74	9.47
RESISTANCE/PHASE (Ohms)@25°C		0.45±15%	0.9±15%	0.23±15%
INDUCTANCE/PHASE (mH) @1KHz		2.6±20%	10.4±20%	2.6±20%
HOLDING TORQUE (Nm) [lb-in]		4.2 [37.17]	5.94 [52.57]	5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]		0.21 [1.8585]		
STEP ANGLE (°) ± STEP ACCURACY		1.8 ± 5% (NON-ACCUM)		
BACK-EMF (V) (300 U/min)			41.14	
ROTOR INERTIA (Kg-m ²) [lb-in ²]		2.7x10 ⁻⁴ [0.923]		
WEIGHT (Kg) [lb]		2.8 [6.174]		
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

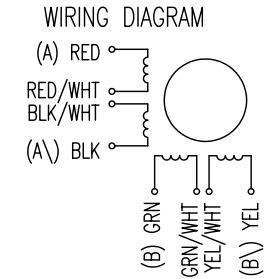


	AXIAL-FORCE Fa (N)			
	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

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



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE FREE	APVD	S.Ha.	09.01.07	STEPPING MOTOR
				ST8918M6708	X ±0.5 1PL ±0.2 2PL ±0.1 ANGLE ±30'	CHKD			
						DRN	J.W.	14.06.06	DWG.NO
						SIGNATURE		DATE	ST8918M6708