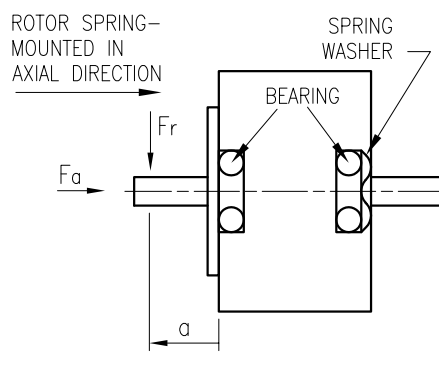


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		2.4	3.31	1.70
AMPS/PHASE		6.0	4.24	8.48
RESISTANCE/PHASE (Ohms)@25°C		0.39±15%	0.78±15%	0.2±15%
INDUCTANCE/PHASE (mH) @1KHz		1.5±20%	6.0±20%	1.5±20%
HOLDING TORQUE (Nm) [lb-in]		2.8 [24.78]	3.96 [35.05]	3.96 [35.05]
DETENT TORQUE (Nm) [lb-in]		0.084 [0.743]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		1.1x10 ⁻⁴ [0.376]		
WEIGHT (Kg) [lb]		2.65 [5.843]		
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

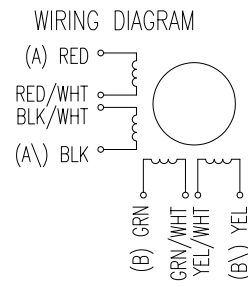


	AXIAL-FORCE Fa (N)			
	Fa=25			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	228	169	139	100
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

TYPE OF CONNECTION (EXTERN)				MOTOR	
UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIAL	PARALLEL		
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	-	-	+	+	
4	+	-	-	+	CW



				NANOTEC:	SCALE FREE	APVD	S.K.	20.07.06	STEPPING MOTOR
				SH8618M6008	X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD			1PL ±0.2	DRN	J.W.	20.07.06
					2PL ±0.1	SIGNATURE		DATE	SH8618M6008
					ANGLE ±30'				