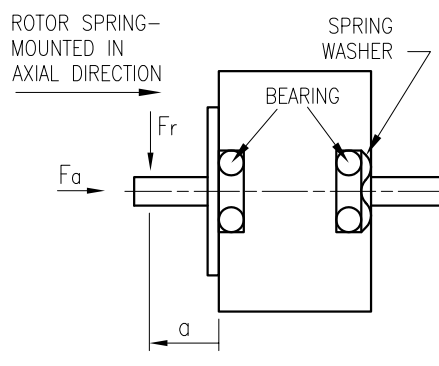


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		1.65	2.33	1.17
AMPS/PHASE		7.5	5.3	10.6
RESISTANCE/PHASE (Ohms)@25°C		0.22±15%	0.44±15%	0.11±15%
INDUCTANCE/PHASE (mH) @1KHz		0.95±20%	3.8±20%	0.95±20%
HOLDING TORQUE (Nm) [lb-in]		3.0 [26.55]	4.24 [37.52]	4.24 [37.52]
DETENT TORQUE (Nm) [lb-in]		0.09 [0.797]		
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

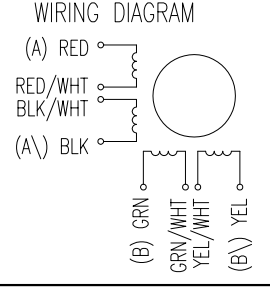


	AXIAL-FORCE Fa (N)			
	5	10	15	20
DISTANCE a (mm)	Fa=25			
RADIAL-FORCE Fr (N)	228	169	139	100
SHAFT PLAY (mm)	AXIAL	RADIAL		
	0.075	0.025		
AT LOAD MAX: (N)	10	5.0		

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	-	-	+	+	CW
4	+	-	-	+	



NANOTEC:				SCALE FREE	APVD	S.K.	20.07.06	STEPPING MOTOR
SH8618M7508				X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD	1PL ±0.2	DRN	J.W.	20.07.06	DWG.NO
				2PL ±0.1	SIGNATURE		DATE	SH8618M7508
				ANGLE ±30'				