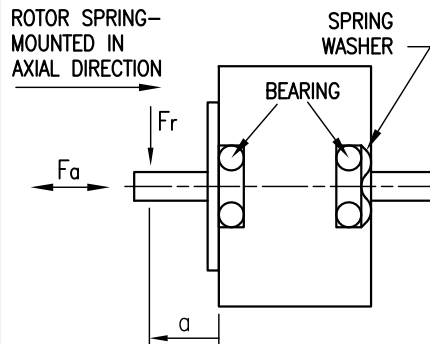


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.0		
AMPS/PHASE		6.7	4.74	9.47
RESISTANCE/PHASE (Ohms)@25°C		0.45±15%	0.9±15%	0.23±15%
INDUCTANCE/PHASE (mH) @1KHz		2.6±20%	10.4±20%	2.6±20%
HOLDING TORQUE (Nm) [lb-in]		4.2 [37.17]	5.94 [52.57]	5.94 [52.57]
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-m²) [lb-in²]		1.9x10 <sup>-4</sup> [0.65]		2
WEIGHT (Kg) [lb]		2.8 [6.174]		

#### PERMISSIBLE RADIAL+AXIAL FORCE

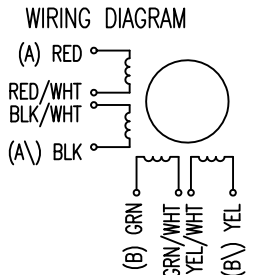



AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200
	AXIAL		RADIAL	
SHAFT PLAY (mm)	0.075		0.025	
AT LOAD MAX: (N)	10		5.0	

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



				 <b>Nanotec</b> <sup>®</sup> PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	09.01.07	<i>STEPPING MOTOR</i>
2	DIMENSION, ROTOR INTERIA	6.11.12	A.S.		X ±0.5	CHKD			
1	DIMENSION	19.10.07	J.W.		1PL ±0.2	DRN	<i>J.W.</i>	14.06.06	DWG.NO
REV	DESCRIPTION	DATE	APVD		2PL ±0.1	SIGNATURE		DATE	ST8918M6708
					ANGLE ±30'				