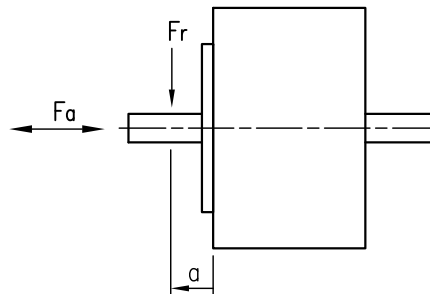


SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	12	17
AMPS/PHASE	0.12	0.085
RESISTANCE/PHASE (Ohms)@25°C	100±10%	200±10%
INDUCTANCE/PHASE (mH) @1KHz	107±20%	428±20%
HOLDING TORQUE (Nm) [lb-in]	0.15 [1.328]	0.21 [1.878]
DETENT TORQUE (Nm) [lb-in]	0.0425 [0.376]	
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±8%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1.25x10 ⁻⁶ [4.27x10 ⁻³]	
WEIGHT (Kg) [lb]	0.27 [0.595]	

PERMISSIBLE RADIAL+AXIAL FORCE



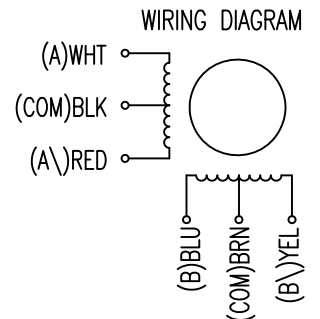
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)		Fa=2.0	
AMBIENT TEMPERATURE -20~ 50°C [-4°F ~ 122°F]	DISTANCE a (mm)		1/2 SCHAFTLENGTH	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)		Fr=5.0	
INSULATION CLASS B 130° [266°F]			AXIAL	RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)		0.08 0.06	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)		4.5 4.5	

UNIPOLAR	TYPE OF CONNECTION (EXTERN)		MOTOR		
	1WINDING	SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A ---	A ---	A ---	1	WHT	A
COM ---	COM ---	COM ---	5	BLK	COM
A\ ---	A\ ---	A\ ---	3	RED	A\
B ---	B ---	B ---	2	BLU	B
COM ---	COM ---	COM ---	6	BRN	COM
B\ ---	B\ ---	B\ ---	4	YEL	B\

for >speed ←
for <speed ←

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
1	NEW VALUES OF INDUCTANCE	J.W.	03.06.08

NANOTEC:	SCALE FREE	APVD	S.Ha.	12.03.07
SP5575M0106-A	X ±0.5	CHKD		
	1PL ±0.2	DRN	J.W.	06.03.07
	2PL ±0.1	SIGNATURE		DATE
	ANGLE ±30'			

DWG.NO		SP5575M0106-A	
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STEPPING MOTOR	
DWG.NO SP5575M0106-A	