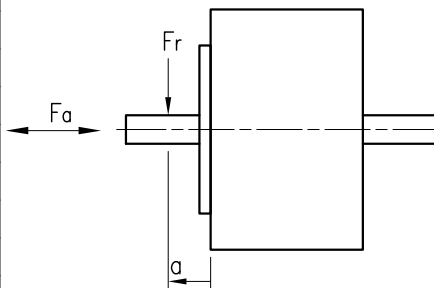


SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		3.0
AMPS/PHASE		0.25
RESISTANCE/PHASE (Ohms)@25°C		12±8%
INDUCTANCE/PHASE (mH) @1KHz		10.0
HOLDING TORQUE (Nm) [lb-in]		4.5X10 ⁻⁴ [3.98X10 ⁻³]
DETENT TORQUE (Nm) [lb-in]		2.5x10 ⁻⁴ [2.21x10 ⁻³]
STEP ANGLE (°)		18
STEP ACCURACY (NON-ACCUM)		±10%
ROTOR INERTIA (Kg-m ²) [lb-in ²]		2.0x10 ⁻¹⁰ [6.834X10 ⁻⁷]
WEIGHT (Kg) [lb]		0.002 [0.004]

PERMISSIBLE RADIAL+AXIAL FORCE

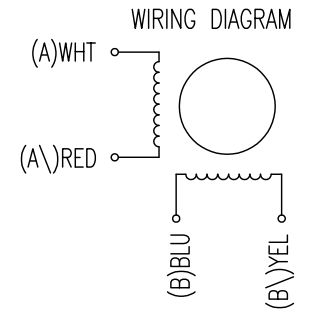


AXIAL-FORCE Fa (N)	Fr=0.5	
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)	Fr=1	
	AXIAL	RADIAL
SHAFT PLAY (mm)	n.a.	n.a.
AT LOAD MAX: (N)	n.a.	n.a.

TYPE OF CONNECTION (EXTERN)	MOTOR			
	BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	WHT	A	
A\ —	2	RED	A\	
B —	3	BLU	B	
B\ —	4	YEL	B\	

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

NANOTEC:
SP0618M0104-A

SCALE	FREE	APVD	S.Ha.	27.02.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	08.12.06
2PL	±0.1	SIGNATURE		
ANGLE	±30'	DATE		

STEPPING MOTOR
DWG.NO
SP0618M0104-A