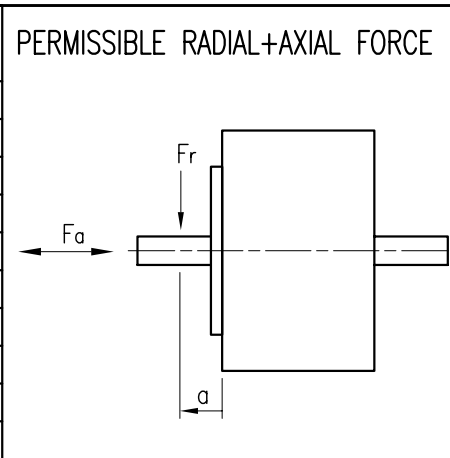


SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		5.0
AMPS/PHASE		0.238
RESISTANCE/PHASE (Ohms)@25°C		21±8%
INDUCTANCE/PHASE (mH) @1KHz		1.37
HOLDING TORQUE (Nm) [lb-in]		5.9X10 <sup>-4</sup> [5.22X10 <sup>-3</sup> ]
DETENT TORQUE (Nm) [lb-in]		1.35x10 <sup>-5</sup> [1.19x10 <sup>-4</sup> ]
STEP ANGLE (°)		18
STEP ACCURACY (NON-ACCUM)		±7%
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		2.0x10 <sup>-10</sup> [6.834X10 <sup>-7</sup> ]
WEIGHT (Kg) [lb]		0.003 [0.007]

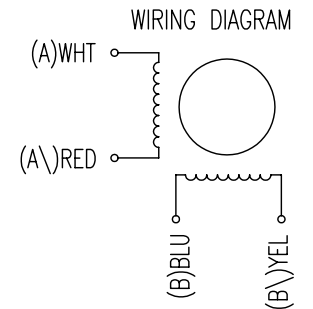


TYPE OF CONNECTION (EXTERN)	MOTOR			
	BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	WHT	A	
A\ —	2	RED	A\	
B —	3	BLU	B	
B\ —	4	YEL	B\	

TEMPERATURE RISE: MAX.75°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=0.5	
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=1	
INSULATION CLASS E 120° [248°F]		AXIAL	RADIAL
DIELECTRIC STRENGTH 600VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	n.a.	n.a.
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	n.a.	n.a.

FULL STEP 2 PHASE-Ex.,  
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑



				NANOTEC:	SCALE FREE	APVD	<i>S.Ha.</i>	14.09.07	<b>STEPPING MOTOR</b>
				SP0818M0204-A	X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD		1PL ±0.2	DRN	<i>J.W.</i>	14.09.07	DWG.NO
					2PL ±0.1	SIGNATURE			SP0818M0204-A
					ANGLE ±30'				