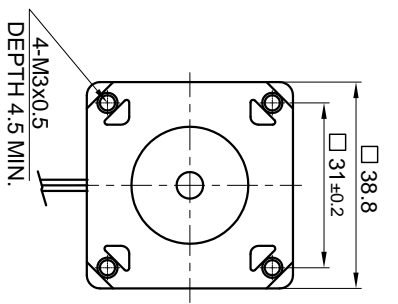
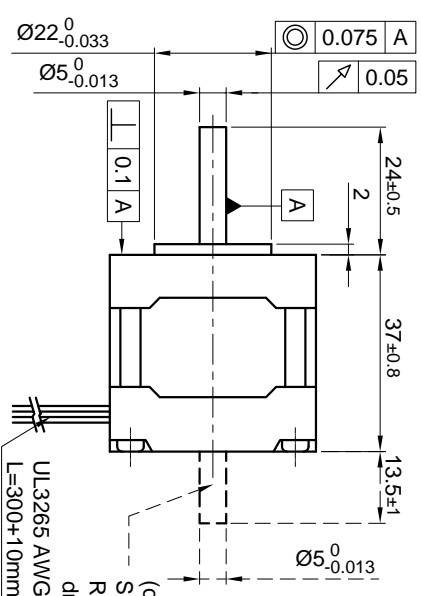


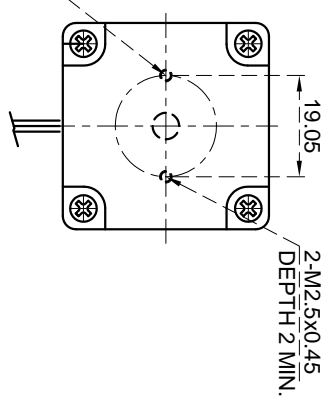
Front view and mounting



Side view

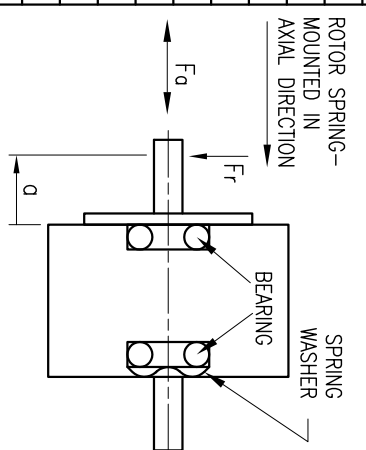


Rear view



CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	6	8.48
AMPS/PHASE	0.8	0.57
RESISTANCE/PHASE (Ohms)@25°C	7.5±15%	15±15%
INDUCTANCE/PHASE (mH) @1KHz	11±20%	44±20%
HOLDING TORQUE (Nm) [lb-in]	0.181 [1.602]	0.256 [2.266]
DETTENT TORQUE (Nm) [lb-in]	8.8x10 <sup>-3</sup> [7.815x10 <sup>-2</sup> ]	
STEP ANGLE (°)	0.9	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	2.4x10 <sup>-6</sup> [8.2x10 <sup>-3</sup> ]	
WEIGHT (kg) [lb]	0.24 [0.529]	
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° [266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

PERMISSIBLE RADIAL+AXIAL FORCE



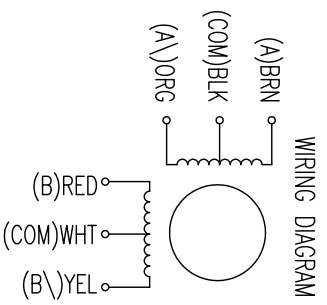
AXIAL-FORCE Fa (N)	Fr=7
DISTANCE a (mm)	5 10 15 20
RADIAL-FORCE Fr (N)	58 36 26 20
AXIAL	RADIAL
SHAFT PLAY (mm)	0.075 0.025
AT LOAD MAX: (N)	10 5.0

for >speed for <speed

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

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

TYPE OF CONNECTION (EXTERN)		MOTOR	
UNIPOLAR	BIPOLAR	LEADS	WINDING
A	A	BRN	A
COM	COM	BLK	COM
A\	A\	ORG	A\
B	B	RED	B
COM	COM	WHT	COM
B\	B\	YEL	B\



REV	DESCRIPTION	DATE	APVD

NANOTEC:  
SH4009M0806

SCALE	FREE	APVD	CHKD	DRN	SIGNATURE	DATE
X	±0.5	<b>S.K.</b>				12.06.06
1PL	±0.2				<b>J.W.</b>	12.06.06
2PL	±0.1					
ANGLE	±30°					

**STEPPING MOTOR**  
DWG.NO SH4009M0806