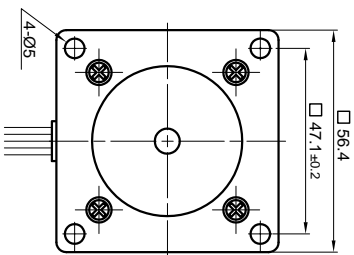
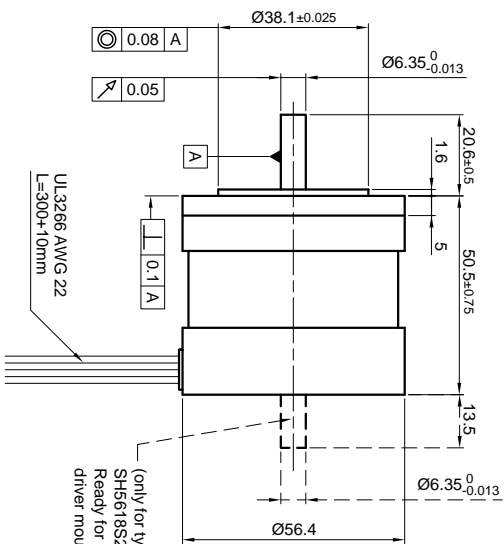


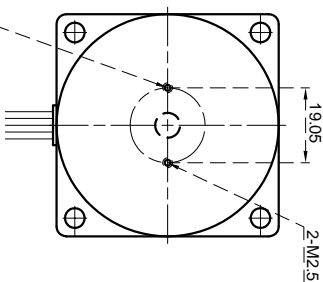
Front view and mounting



Side view

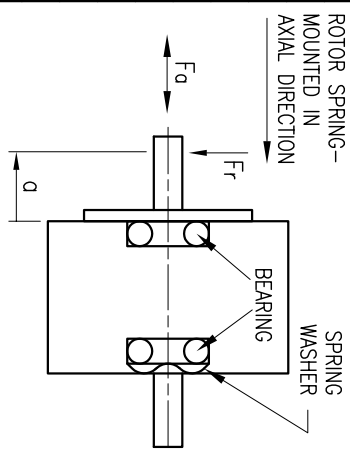


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR
VOLTAGE (VDC)	4.0	5.64
AMPS/PHASE	2.0	1.41
RESISTANCE/PHASE (Ohms)@25°C	2.0±15%	4.0±15%
INDUCTANCE/PHASE (mH) @1KHz	3.5±20%	14±20%
HOLDING TORQUE (Nm) [lb-in]	0.55 [4.868]	0.778 [6.885]
DETENT TORQUE (Nm) [lb-in]	0.0165 [0.146]	0.778 [6.885]
STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		1.15x10 <sup>-5</sup> [0.039]
WEIGHT (kg) [lb]		0.52 [1.147]

PERMISSIBLE RADIAL+AXIAL FORCE



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR
VOLTAGE (VDC)	4.0	5.64
AMPS/PHASE	2.0	1.41
RESISTANCE/PHASE (Ohms)@25°C	2.0±15%	4.0±15%
INDUCTANCE/PHASE (mH) @1KHz	3.5±20%	14±20%
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STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		1.15x10 <sup>-5</sup> [0.039]
WEIGHT (kg) [lb]		0.52 [1.147]
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	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR
VOLTAGE (VDC)	4.0	5.64
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STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		1.15x10 <sup>-5</sup> [0.039]
WEIGHT (kg) [lb]		0.52 [1.147]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
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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)		

TYPE OF CONNECTION (EXTERN)	MOTOR			
	UNIPOLAR	1WINDING	BIPOLAR SERIAL	PARALLEL
A	A	A	A	A
COM	COM	COM	COM	COM
B	B	B	B	B
COM	COM	COM	COM	COM

LEADS	WINDING
RED	A
RED/WHT	A
BLK/WHT	A
BLK	A
GRN	B
GRN/WHT	B
YEL/WHT	B
YEL	B

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

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

WIRING DIAGRAM

**STEPPING MOTOR**

REV	DESCRIPTION	DATE	APVD	NANOTEC:	SH5618S2008	SCALE FREE	APVD	S.K.	13.07.06	DWG.NO	SH5618S2008
						X ±0.5	CHKD				
						1PL ±0.2	DRN	J.W.	11.07.06		
						2PL ±0.1	SIGNATURE				
						ANGLE ±30°					