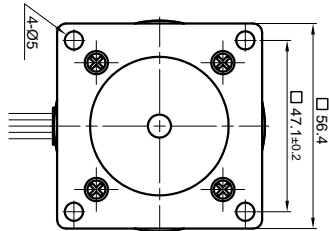
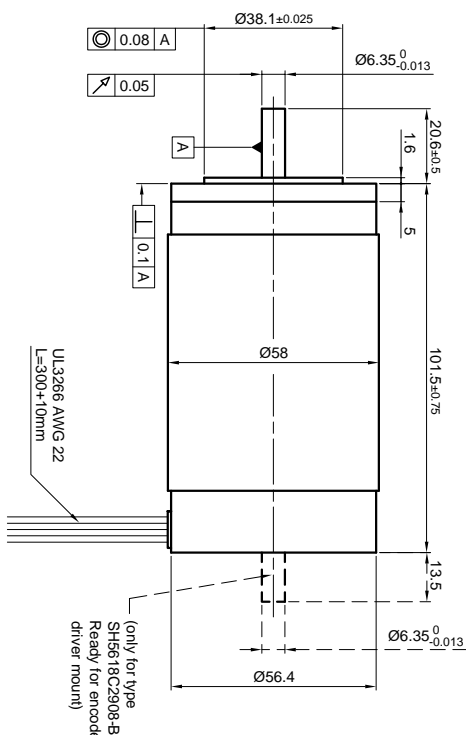


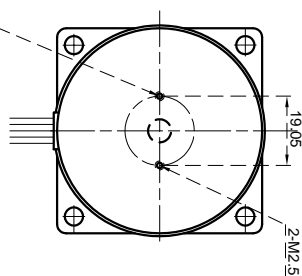
Front view and mounting



Side view



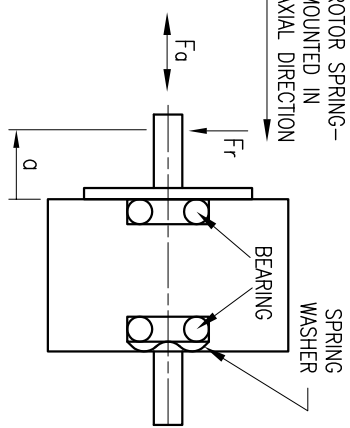
Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
VOLTAGE (VDC)	3.4	4.82	2.41
AMPS/PHASE	2.85	2.01	4.03
RESISTANCE/PHASE (Ohms)@25°C	1.2±15%	2.4±15%	0.6±15%
INDUCTANCE/PHASE (mH) @1KHz	2.5±20%	8.4±20%	2.5±20%
HOLDING TORQUE (Nm) [lb-in]	1.3 [11.51]	1.84 [16.28]	1.84 [16.28]
DETTENT TORQUE (Nm) [lb-in]	0.039 [0.345]		
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.50x10 <sup>-5</sup> [0.12]	
WEIGHT (kg) [lb]		1.4 [3.087]	

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING-MOUNTED IN AXIAL DIRECTION



SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
VOLTAGE (VDC)	3.4	4.82	2.41
AMPS/PHASE	2.85	2.01	4.03
RESISTANCE/PHASE (Ohms)@25°C	1.2±15%	2.4±15%	0.6±15%
INDUCTANCE/PHASE (mH) @1KHz	2.5±20%	8.4±20%	2.5±20%
HOLDING TORQUE (Nm) [lb-in]	1.3 [11.51]	1.84 [16.28]	1.84 [16.28]
DETTENT TORQUE (Nm) [lb-in]	0.039 [0.345]		
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.50x10 <sup>-5</sup> [0.12]	
WEIGHT (kg) [lb]		1.4 [3.087]	
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)			

SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
VOLTAGE (VDC)	3.4	4.82	2.41
AMPS/PHASE	2.85	2.01	4.03
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DETTENT TORQUE (Nm) [lb-in]	0.039 [0.345]		
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.50x10 <sup>-5</sup> [0.12]	
WEIGHT (kg) [lb]		1.4 [3.087]	
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)			

TYPE OF CONNECTION (EXTERN)	MOTOR			
	UNIPOLAR	BIPOLAR 1WINDING	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	WHT
RED	A	A
RED/WHT	A	A
BLK/WHT	B	B
BLK	B	B
GRN	B	B
GRN/WHT	B	B
YEL/WHT	B	B
YEL	B	B

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

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

WIRING DIAGRAM

REV	DESCRIPTION	DATE	APVD	NANOTEC:	SH5618C2908	SCALE FREE	APVD	S.K.K.	13.07.06	DWC.NO	SH5618C2908
						±0.5					
						±0.2					
						±0.1					
						ANGLE ±30°					