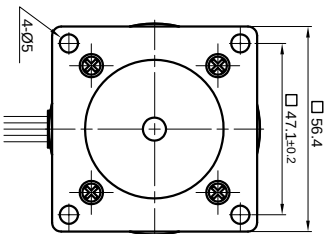
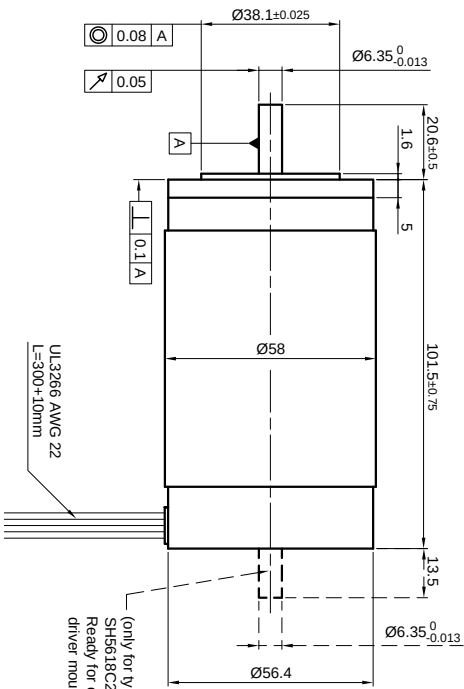


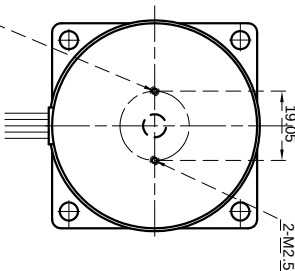
Front view and mounting



Side view



Rear view

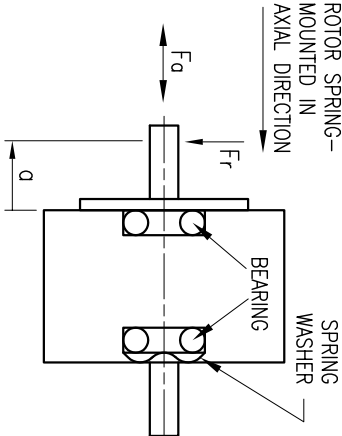


SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL

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]
DETENT TORQUE (Nm) [lb-in]	0.039 [0.345]		
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (kg-m ²) [lb-in ²]		3.50x10 ⁻⁵ [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)	

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE F _a (N)	F _a =10
DISTANCE a (mm)	5 10 15 20
RADIAL-FORCE F _r (N)	130 90 70 52
AXIAL	RADIAL
SHAFT PLAY (mm)	0.075 0.025
AT LOAD MAX: (N)	10 5.0

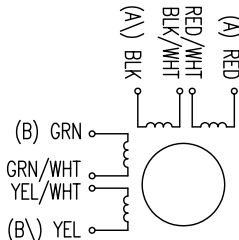
TYPE OF CONNECTION (EXTERN)

UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIAL	PARALLEL		
A	A	A	A	RED	A
COM	COM	COM	COM	RED/WHT	A
B	B	B	B	BLK	B
COM	COM	COM	COM	BLK/WHT	B
B	B	B	B	GRN	A
COM	COM	COM	COM	GRN/WHT	A
B	B	B	B	YEL	B
COM	COM	COM	COM	YEL/WHT	B

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

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

WIRING DIAGRAM



NANOTEC:

SH5618C2908

REV	DESCRIPTION	DATE	APVD

STEPPING MOTOR

DWG.NO

SH5618C2908

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