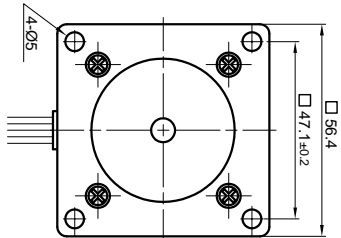
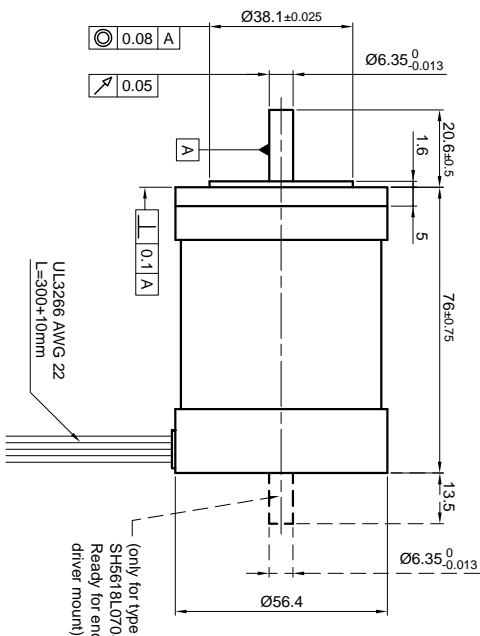


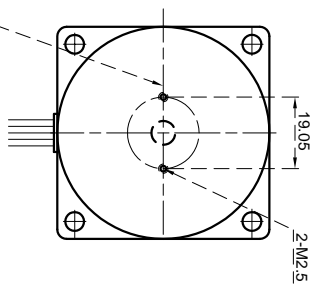
Front view and mounting



Side view

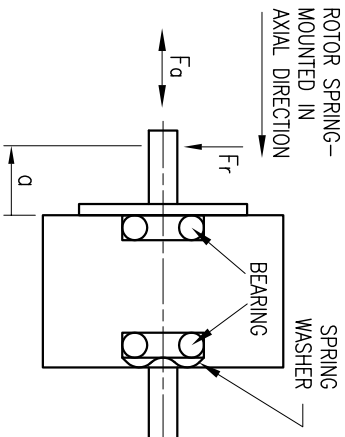


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR -1 WINDING	
		SERIAL	PARALLEL
VOLTAGE (VDC)		11.2	15.68
AMPS/PHASE		0.7	0.49
RESISTANCE/PHASE (Ohms)@25°C		16±15%	32±15%
INDUCTANCE/PHASE (mH) @1KHz		27±20%	108±20%
HOLDING TORQUE (Nm) [lb-in]		1.05 [9.292]	1.48 [13.1]
DETENT TORQUE (Nm) [lb-in]		0.0315 [0.279]	1.48 [13.1]
STEP ANGLE (°)			1.8
STEP ACCURACY (NON-ACCUM)			±5%
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]			2.30x10 <sup>-5</sup> [0.079]
WEIGHT (kg) [lb]			0.85 [1.874]
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)	Fa=10			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
SHAFT PLAY (mm)	0.075			
AT LOAD MAX: (N)	10			

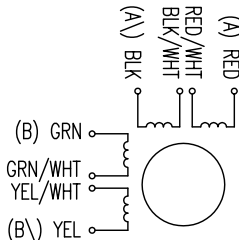
TYPE OF CONNECTION (EXTERN)

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

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

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

WIRING DIAGRAM



NANOTEC:

SH5618L0708

REV	DESCRIPTION	DATE	APVD

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

STEPPING MOTOR

DWG.NO

SH5618L0708