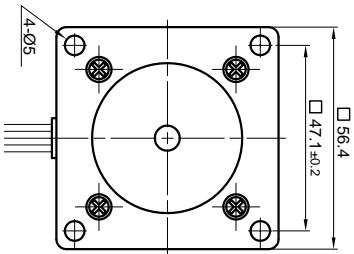
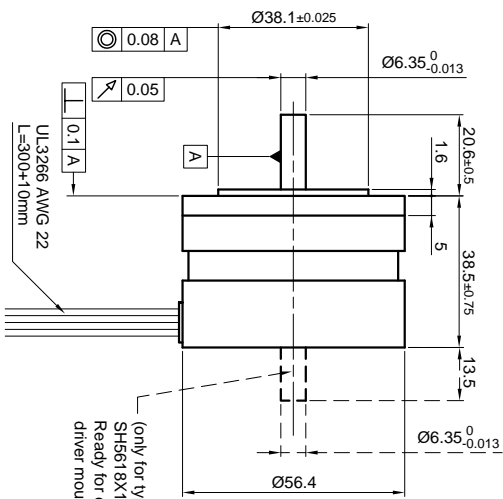


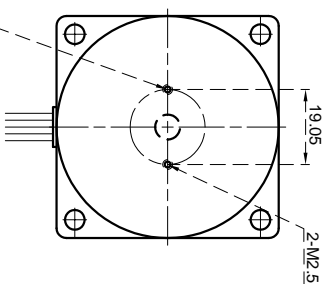
Front view and mounting



Side view



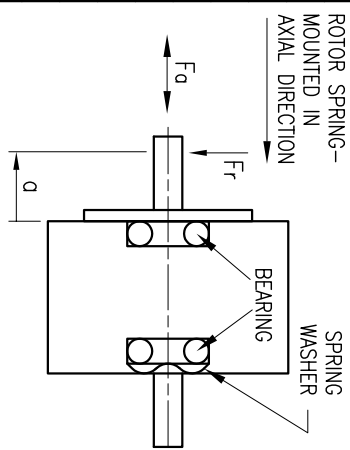
Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
VOLTAGE (VDC)	4.0	5.62	2.81
AMPS/PHASE	1.1	0.78	1.56
RESISTANCE/PHASE (Ohms)@25°C	3.6±15%	7.2±15%	1.8±15%
INDUCTANCE/PHASE (mH) @1KHz	4.1±20%	16.4±20%	4.1±20%
HOLDING TORQUE (Nm) [lb-in]	0.285 [2.522]	0.403 [3.567]	0.403 [3.567]
DETENT TORQUE (Nm) [lb-in]	0.0086 [0.0756]		
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (kg-m ²) [lb-in ²]		6.0×10 ⁻⁶ [0.02]	
WEIGHT (kg) [lb]		0.38 [0.838]	

PERMISSIBLE RADIAL+AXIAL FORCE

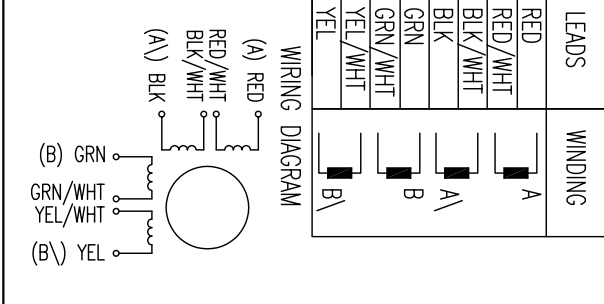
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	
	Distance a (mm)	Fa=10
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	5	10
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	130	90
INSULATION CLASS B 130° [266°F]	AXIAL	RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.075
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10

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

STEP	FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)				CCW
	A	B	A \ B	B \ A	
1	+	+	-	-	↑
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	



REV	DESCRIPTION	DATE	APVD

NANOTEC:		SH5618X1108	
SCALE FREE	APVD	S.K.	13.07.06
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	11.07.06
2PL ±0.1	SIGNATURE		
ANGLE ±30°	DATE		

DWC.NO		SH5618X1108	
STEPPING MOTOR			