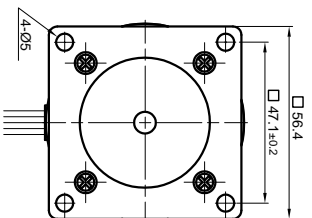
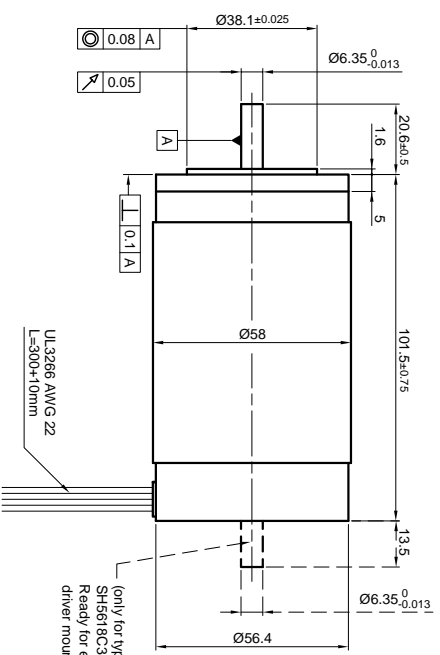


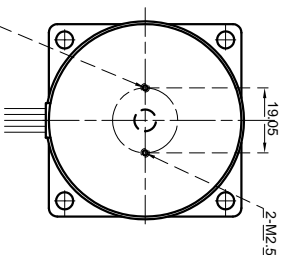
Front view and mounting



Side view

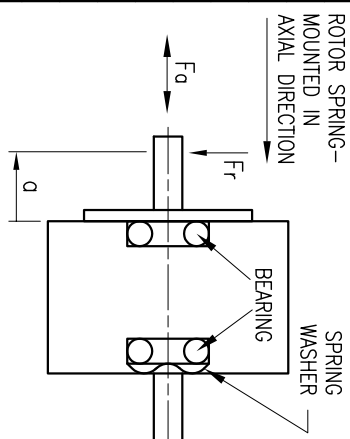


Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIAL	PARALLEL
VOLTAGE (VDC)	2.9	4.10	2.08
AMPS/PHASE	3.5	2.47	4.95
RESISTANCE/PHASE (Ohms)@25°C	0.83±15%	1.66±15%	0.42±15%
INDUCTANCE/PHASE (mH) @1KHz	1.7±20%	6.8±20%	1.7±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]	

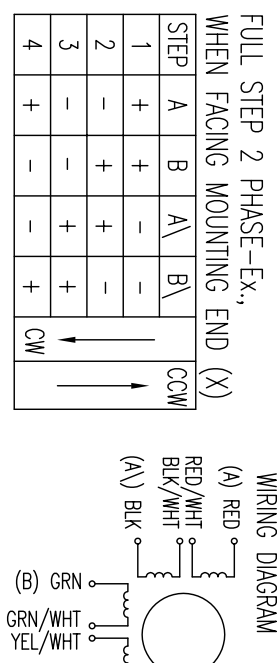
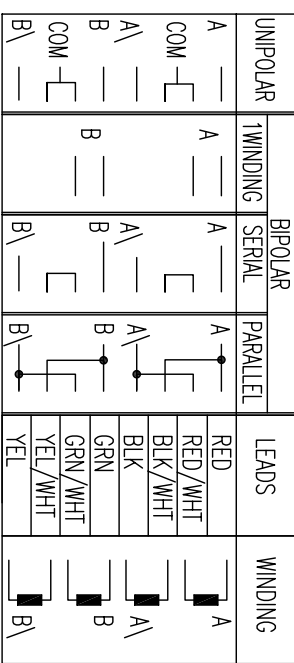
PERMISSIBLE RADIAL+AXIAL FORCE



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE F _a (N)	F _a =10
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5 10 15 20
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE F _r (N)	130 90 70 52
INSULATION CLASS B 130° [266°F]	AXIAL PLAY (mm)	AXIAL
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

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

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



REV	DESCRIPTION	DATE	APVD

NANOTEC:
SH5618C3508

APVD: S.K.K. 13.07.06
CHKD: DRN J.W. 13.07.06
SIGNATURE: J.W.
DATE: 13.07.06
DWC.G.NO: SH5618C3508

STEPPING MOTOR