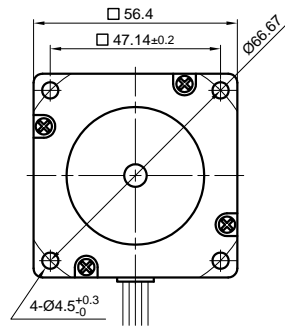
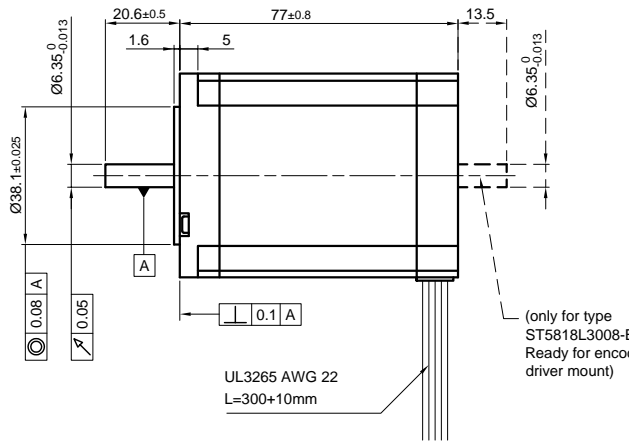


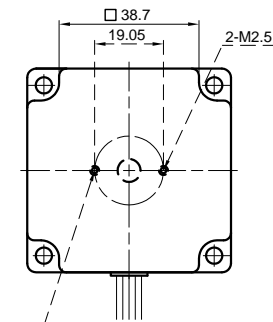
Front view and mounting



Side view

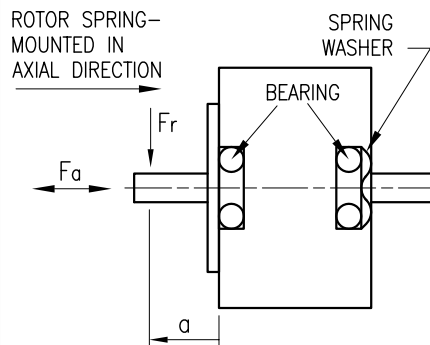


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR	
		SERIAL	PARALLEL	SERIAL	PARALLEL
VOLTAGE (VDC)		3.0			
AMPS/PHASE		3.0		2.12	4.24
RESISTANCE/PHASE (Ohms)@25°C		1.0±15%		2.0±15%	0.5±15%
INDUCTANCE/PHASE (mH) @1KHz		2.2±20%		8.8±20%	2.2±20%
HOLDING TORQUE (Nm) [lb-in]		1.2 [10.62]		1.7 [15.05]	1.7 [15.05]
DETENT TORQUE (Nm) [lb-in]		0.049 [0.434]			
STEP ANGLE (°)		1.8			
STEP ACCURACY (NON-ACCUM)		±5%			
ROTOR INERTIA (Kg-m ²) [lb-in ²]		0.43x10 ⁻⁴ [0.147]			
WEIGHT (Kg) [lb]		1.1 [2.426]			
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



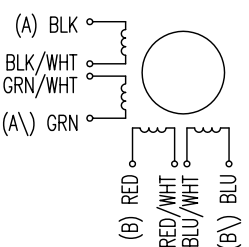
	AXIAL-FORCE Fa (N)		Fa=10			
	DISTANCE a (mm)		5	10	15	20
RADIAL-FORCE Fr (N)			130	90	70	52
SHAFT PLAY (mm)		AXIAL	0.075			
		RADIAL	0.025			
AT LOAD MAX: (N)			10	5.0		

TYPE OF CONNECTION (EXTERN)				MOTOR	
UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIAL	PARALLEL		
A —	A —	A —	A —	BLK	A
COM —				BLK/WHT	
A\ —	A\ —	A\ —	A\ —	GRN/WHT	A\
B —	B —	B —	B —	GRN	B
COM —				RED	
B\ —	B\ —	B\ —	B\ —	RED/WHT	B\
				BLU/WHT	
				BLU	

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

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

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE	FREE	APVD	S.H.a.	16.01.07	STEPPING MOTOR
				ST5818L3008	X	±0.5	CHKD			
					1PL	±0.2	DRN	J.W.	26.04.06	
					2PL	±0.1	SIGNATURE		DATE	DWG.NO
					ANGLE	±30°				ST5818L3008