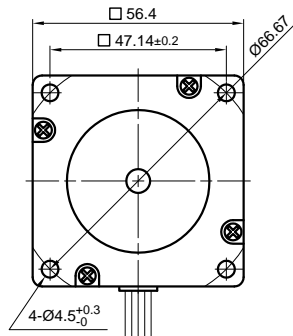
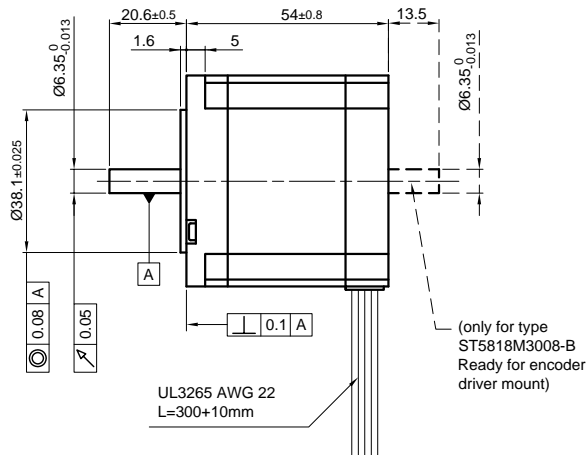


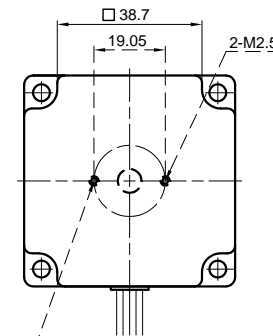
Front view and mounting



Side view

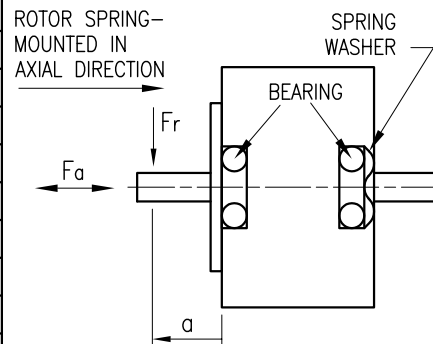


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		2.1		
AMPS/PHASE		3.0	2.12	4.24
RESISTANCE/PHASE (Ohms)@25°C		0.7±15%	1.4±15%	0.35±15%
INDUCTANCE/PHASE (mH) @1KHz		1.3±20%	5.2±20%	1.3±20%
HOLDING TORQUE (Nm) [lb-in]		0.74 [6.549]	1.05 [9.292]	1.05 [9.292]
DETENT TORQUE (Nm) [lb-in]		0.0294 [0.261]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		0.29x10 <sup>-4</sup> [0.099]		
WEIGHT (Kg) [lb]		0.71 [1.566]		
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



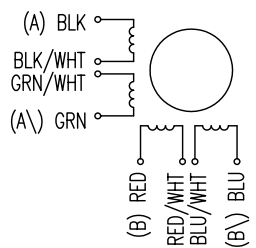
	AXIAL-FORCE Fa (N)			
	Fa=10			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

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

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

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

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE	FREE	APVD	S.Ha.	16.01.07	STEPPING MOTOR
				ST5818M3008	X	±0.5		CHKD		
					1PL	±0.2		DRN	J.W.	26.04.06
					2PL	±0.1		SIGNATURE	DATE	DWG.NO
					ANGLE	±30'				ST5818M3008