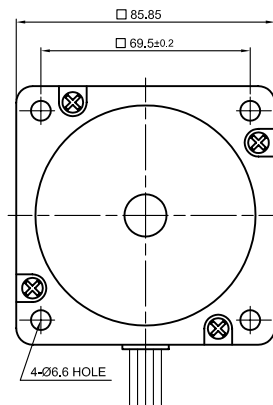
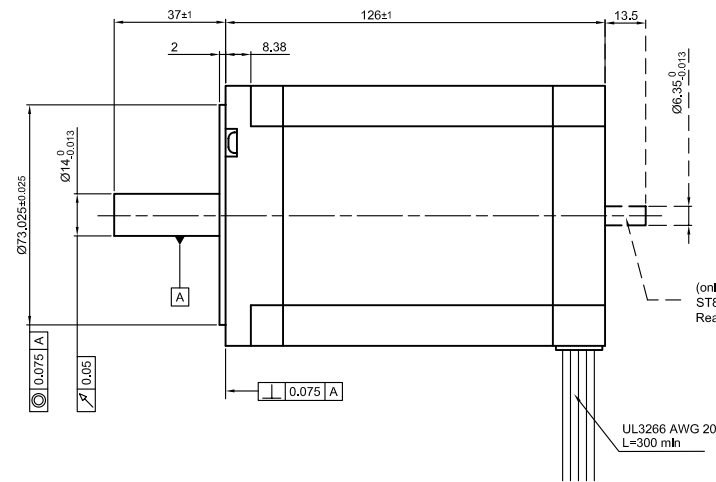


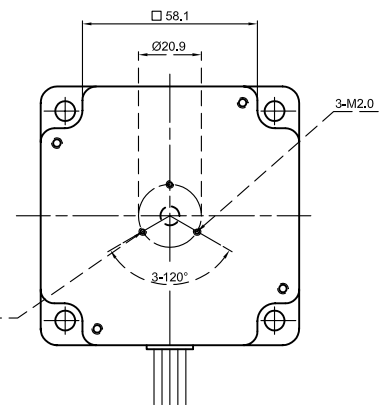
Front view and mounting



Side view

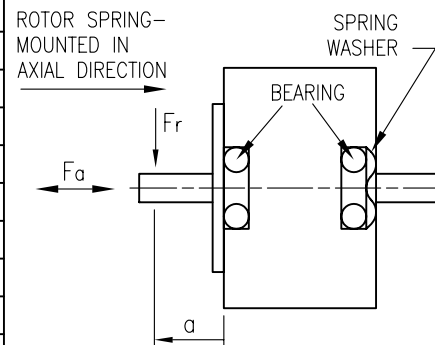


Rear view



SPECIFICATION	CONNECTION		BIPOLAR	
	UNIPOLAR OR BIPOLAR-1 WINDING		SERIAL	PARALLEL
VOLTAGE (VDC)	4.95			
AMPS/PHASE	4.5		3.18	6.36
RESISTANCE/PHASE (Ohms)@25°C	1.1±15%		2.2±15%	0.55±15%
INDUCTANCE/PHASE (mH) @1KHz	6.3±20%		25.2±20%	6.3±20%
HOLDING TORQUE (Nm) [lb-in]	6.6 [58.41]		9.33 [82.57]	9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]	0.20 [1.77]			
STEP ANGLE (°) ± STEP ACCURACY	1.8 ± 5% (NON-ACCUM)			
BACK-EMF (V) (300 U/min)		84.5		
ROTOR INERTIA (Kg-m²) [lb-in²]	3.0x10 ⁻⁴ [1.025]			
WEIGHT (Kg) [lb]	3.95 [8.71]			
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -20°~ 50°C [-4°F ~ 122°F]				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				
INSULATION CLASS B 130° [266°F] (PROTECTION IP30-WITH TERMINAL BOX IP54)				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

PERMISSIBLE RADIAL+AXIAL FORCE

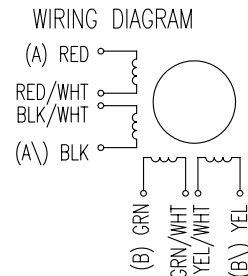


	AXIAL-FORCE Fa (N)			
	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

TYPE OF CONNECTION (EXTERN)				MOTOR	
UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIAL	PARALLEL		
A	A	A	A	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\	
1	+	+	-	-	CCW
2	-	+	+	-	
3	-	-	+	+	CW
4	+	-	-	+	



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE	FREE	APVD	S.Ha.	09.01.07	STEPPING MOTOR	
				ST8918L4508	X	±0.5	CHKD				
					1PL	±0.2	DRN	J.W.	13.06.06	DWG.NO	
					2PL	±0.1	SIGNATURE		DATE		ST8918L4508
					ANGLE	±30'					