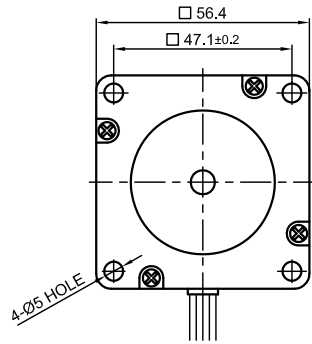
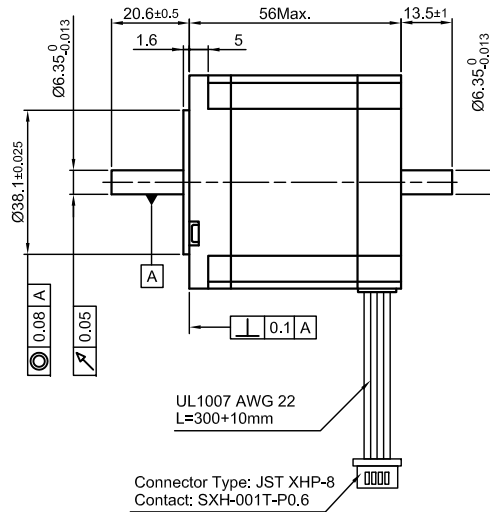


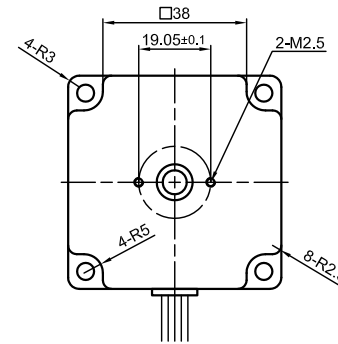
Front view and mounting



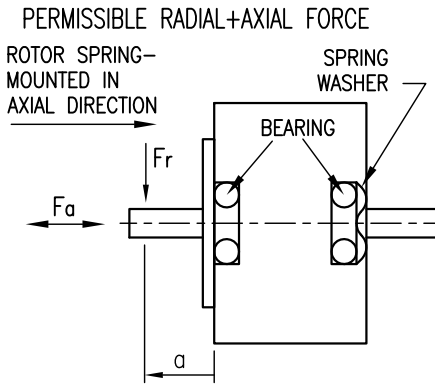
Side view



Rear view



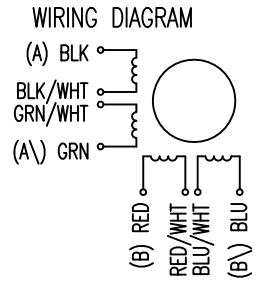
SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR	
		BIPOLAR-1 WINDING	SERIAL	PARALLEL	SERIAL
VOLTAGE (VDC)		6.9			
AMPS/PHASE		1.0	0.71	1.41	
RESISTANCE/PHASE (Ohms)@25°C		6.9±10%	13.8±10%	3.5±10%	
INDUCTANCE/PHASE (mH) @1KHz		14±20%	56±20%	14±20%	
HOLDING TORQUE (Nm) [lb-in]		0.74 [6.55]	1.48 [13.1]	1.48 [13.1]	
DETENT TORQUE (Nm) [lb-in]		0.04 [0.354]			
STEP ANGLE (°) ± ACCURACY		0.9±5% (NON-ACCUM)			
BACK-EMF (V) (300 U/min)			36.00		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		3.0x10 ⁻⁵ [0.102]			
WEIGHT (Kg) [lb]		0.7 [1.54]			
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				AXIAL-FORCE Fa (N)	Fa=15
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 Fr (N)	130 90 70 52
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)	0.08 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				AT LOAD MAX: (N)	4.5 4.5




TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	B	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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



REV	DESCRIPTION	DATE	APVD	 Nanotec PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	17.06.08	STEPPING MOTOR DWG.NO ST5909M1008-B
					X ±0.5 1PL ±0.2 2PL ±0.1 ANGLE ±30'	CHKD			
						DRN	<i>J.W.</i>	17.06.08	
						SIGNATURE		DATE	