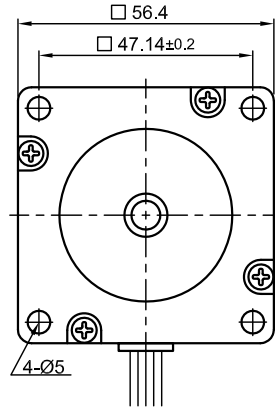
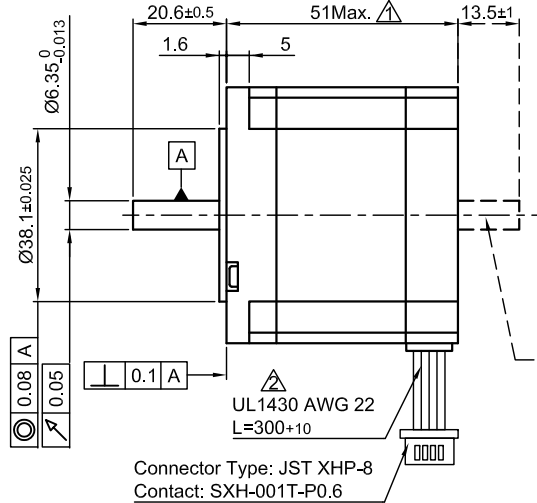


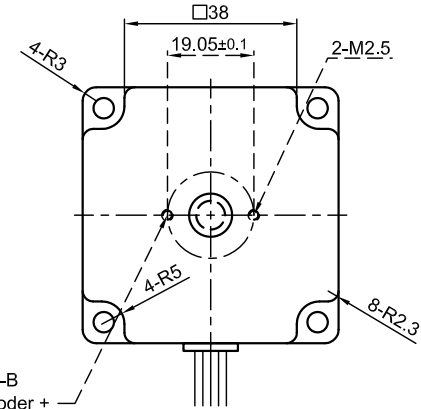
Front view and mounting



Side view



Rear view



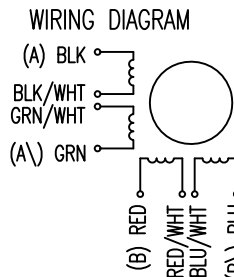
SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.0		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		1.5±10%	3.0±10%	0.75±10%
INDUCTANCE/PHASE (mH) @1KHz		2.6±20%	10.4±20%	2.6±20%
HOLDING TORQUE (Nm) [lb-in]		0.6 [5.34]	0.85 [7.52]	0.85 [7.52]
DETENT TORQUE (Nm) [lb-in]		0.03 [0.266]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
BACK-EMF (V) (300 U/min)			16.94 min.	
ROTOR INERTIA (Kg-m ²) [lb-in ²]		2.75x10 ⁻⁵ [0.094]		
WEIGHT (Kg) [lb]		0.65 [1.43]		
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				
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION				
AXIAL-FORCE Fa (N)	Fa=15			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
	AXIAL	RADIAL		
SHAFT PLAY (mm)	0.08	0.02		
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\		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	S.Ha.	19.03.07	STEPPING MOTOR	
2	NEW UL NO.	28.07.09	J.W.	ST5918S2008			X ±0.5	CHKD			DWG.NO	
1	PIN-ASSIGNMENT	08.01.08	J.W.				1PL ±0.2	DRN	J.W.	21.11.06		
							2PL ±0.1	SIGNATURE		DATE		ST5918S2008
						ANGLE ±30'						