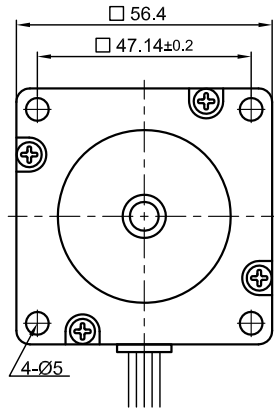
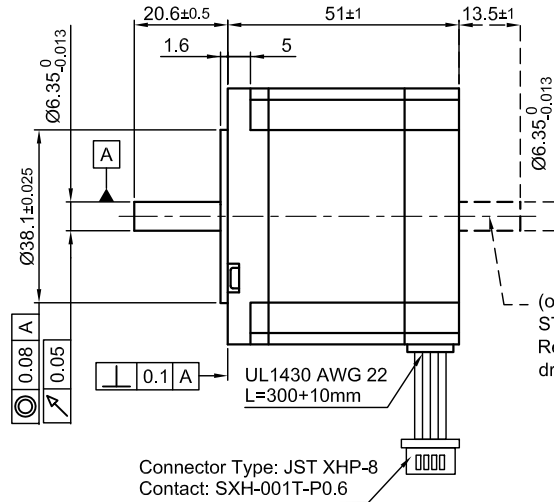


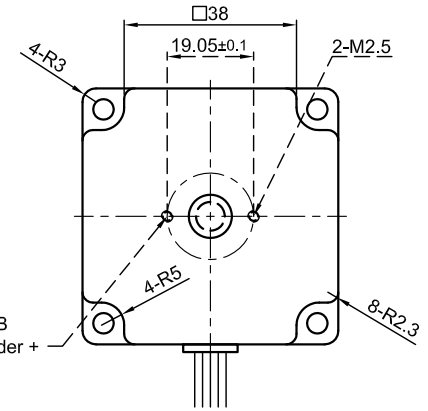
Front view and mounting



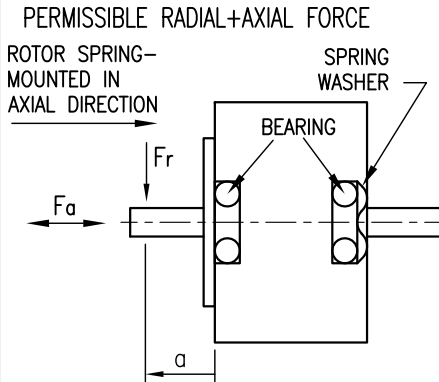
Side view



Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIES	PARALLEL
VOLTAGE (VDC)		6.6		
AMPS/PHASE		1.0	0.71	1.41
RESISTANCE/PHASE (Ohms)@25°C		6.6±15%	13.2±15%	3.3±15%
INDUCTANCE/PHASE (mH) @1KHz		13±20%	52±20%	13±20%
HOLDING TORQUE (Nm) [lb-in]		0.72 [6.37]	1.01 [8.92]	1.01 [8.92]
DETENT TORQUE (Nm) [lb-in]		3.6x10 <sup>-2</sup> [0.286]		
STEP ANGLE (°) ± ACCURACY		0.9±5% (NON-ACCUM)		
BACK-EMF (V) (300 U/min)			TDM.	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		2.75x10 <sup>-5</sup> [9.4x10 <sup>-2</sup> ]		
WEIGHT (Kg) [lb]		0.65 [1.433]		
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)				

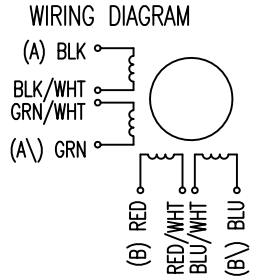


	PERMISSIBLE RADIAL+AXIAL FORCE			
	AXIAL-FORCE Fa (N)	Fa=10		
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.075	0.025	
AT LOAD MAX: (N)		10	5.0	

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR			CONNECTOR PIN NO.	LEADS	WINDING
	TWINDING	SERIAL	PARALLEL			
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	+	-	-	+	↑	↓



					SCALE FREE	APVD	S.Ha.	08.08.11	<b>STEPPING MOTOR</b>
					X ±0.5	CHKD			
					1PL ±0.2	DRN	J.W.	08.08.11	DWG.NO
					2PL ±0.1	SIGNATURE		DATE	ST5909S1008
REV	DESCRIPTION	DATE	APVD	ST5909S1008	ANGLE ±30'				