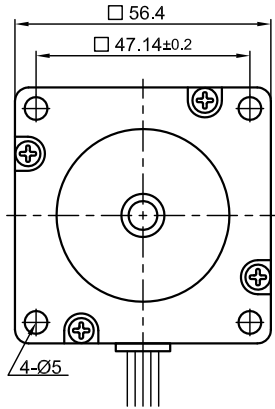
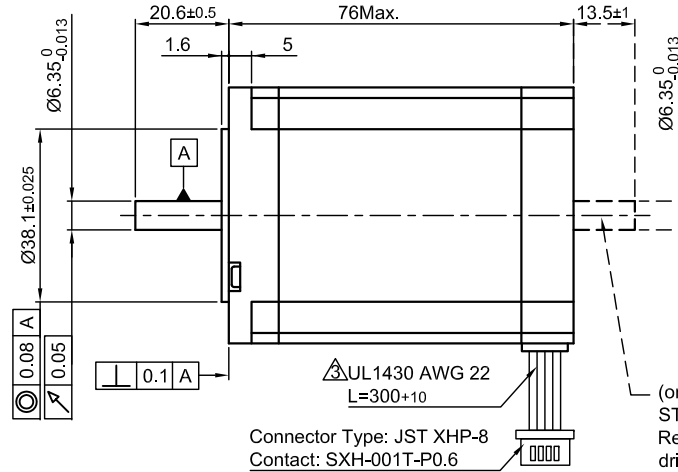


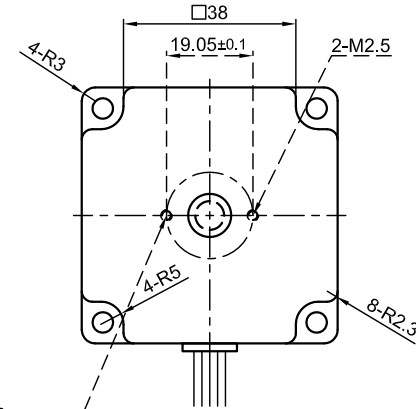
Front view and mounting



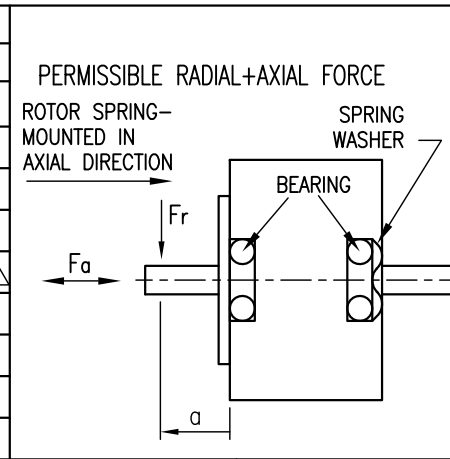
Side view



Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		4.8		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		2.4±10%	4.8±10%	1.2±10%
INDUCTANCE/PHASE (mH) @1KHz		5.1±20%	20.4±20%	5.1±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71]	1.87 [16.52]	1.87 [16.52]
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		4.8x10 <sup>-5</sup> [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		

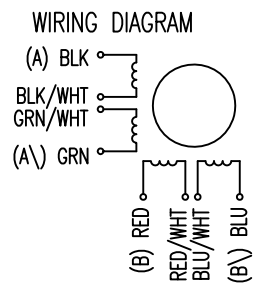


TYPE OF CONNECTION (EXTERN)	BIPOLAR			MOTOR		
	UNIPOLAR	1WINDING	SERIAL	PARALLEL	CONNECTOR PIN NO.	LEADS
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	B	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\	B	B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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

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



4	NEW VALUE OF HOLD. TOR.	04.11.13	J.D.		SCALE FREE	APVD	S.Ha.	19.03.07	<b>STEPPING MOTOR</b> DWG.NO ST5918L2008
3	NEW UL NO.+VALUE OF BACK-EMF	20.07.09	J.W.		X ±0.5	CHKD			
2	TECHNICAL DATE	09.04.08	J.W.		1PL ±0.2	DRN	J.W.	21.11.06	
REV	DESCRIPTION	DATE	APVD		2PL ±0.1	SIGNATURE		DATE	
				ANGLE ±30'					