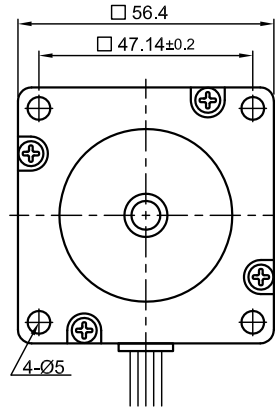
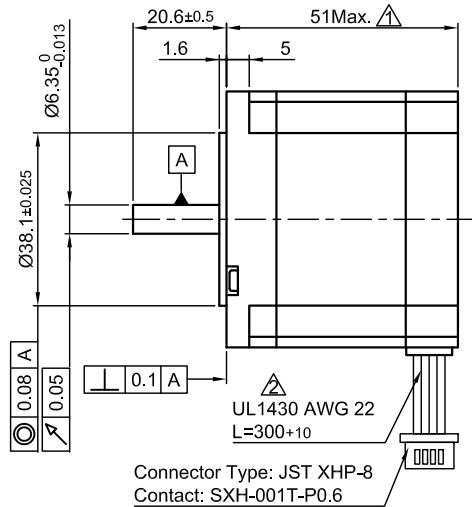


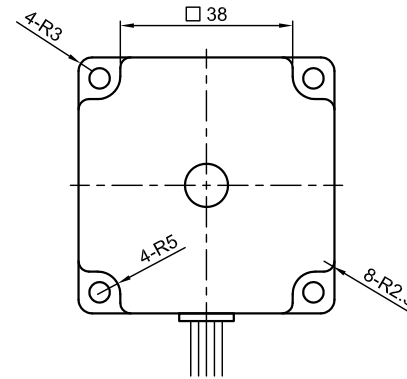
Front view and mounting



Side view

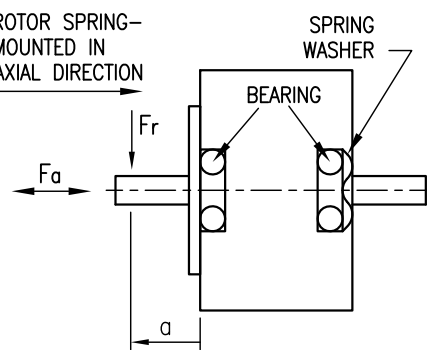


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR	
		SERIAL	PARALLEL	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]		0.7 [6.25]	0.99 [8.76]	0.99 [8.76]	
DETENT TORQUE (Nm) [lb-in]		0.03 [0.266]			
STEP ANGLE (°)		1.8			
ACCURACY(NON-ACCUM)		±5%			
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)					

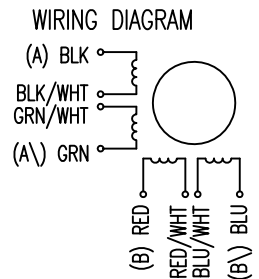
PERMISSIBLE RADIAL+AXIAL FORCE		ROTOR SPRING-MOUNTED IN AXIAL DIRECTION			
AXIAL-FORCE Fa (N)		Fa=15			
DISTANCE a (mm)		5	10	15	20
RADIAL-FORCE Fr (N)		130	90	70	52
		AXIAL	RADIAL		
SHAFT PLAY (mm)		0.08	0.02		
AT LOAD MAX: (N)		4.5	4.5		



TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	SERIAL	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	+	-	-	+	↑	↓



3	HOLD.TOR.+DELE. BACK-EMF	28.07.09	J.D.
2	NEW UL NO.	08.01.08	J.W.
1	PIN-ASSIGNMENT		
REV	DESCRIPTION	DATE	APVD

Nanotec
PLUG & DRIVE

ST5918S2008-A

SCALE	APVD	DATE
FREE	<i>S.Ha.</i>	19.03.07
X ±0.5	CHKD	
1PL ±0.2	DRN	<i>J.W.</i>
2PL ±0.1	SIGNATURE	21.11.06
ANGLE ±30'	DATE	

STEPPING MOTOR

DWG.NO ST5918S2008-A