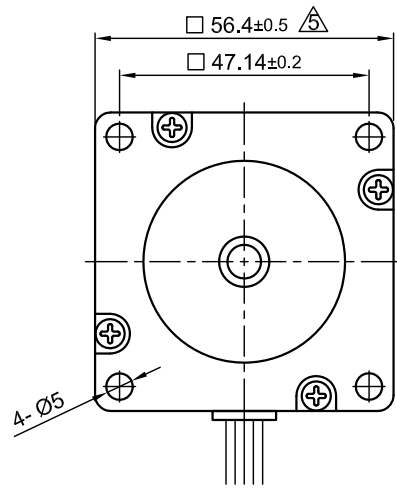
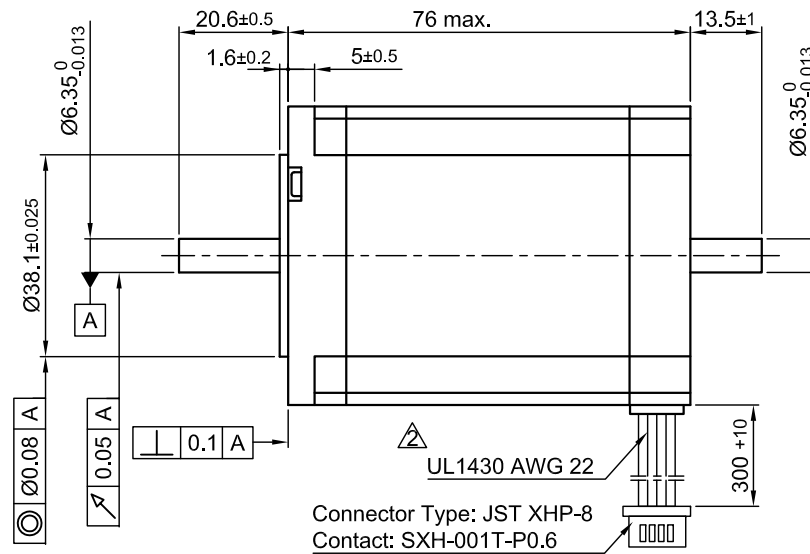


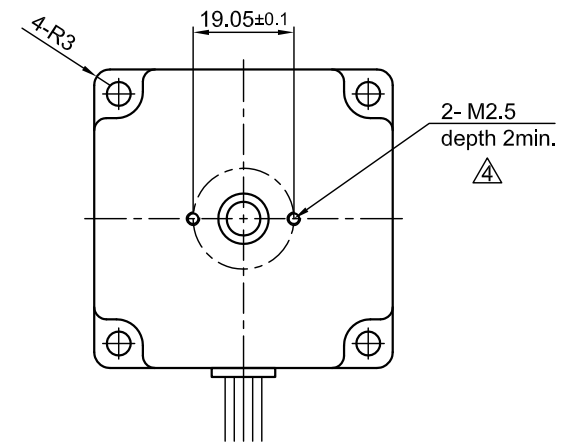
Front view and mounting



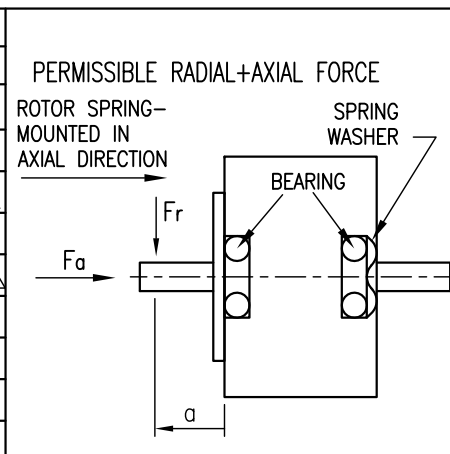
Side view



Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR	
		SERIES	PARALLEL	SERIES	PARALLEL
VOLTAGE (VDC)		3.45			
AMPS/PHASE		3.0		2.1	4.2
RESISTANCE/PHASE (Ohms)@25°C		1.15±15%		2.3±15%	0.58±15%
INDUCTANCE/PHASE (mH) @1KHz		1.9±20%		7.6±20%	1.9±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71]		1.87 [16.52]	1.87 [16.52]
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]			

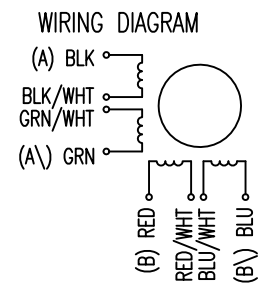


TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR	WINDING	PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	A	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\	B	B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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	+	-	-	+	↓	↑



6	change resistance/rem. detent tor.	13.07.17	A.S.
5	change tolerance	02.11.16	A.S.
4	NEW IND./REW. DR./DIM. M2.5	22.03.16	A.S.
REV	DESCRIPTION	DATE	DRN

**Nanotec**  
PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715
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APVD	<i>S.Ha.</i>	19.03.07
CHKD		
DRN	<i>J.W.</i>	21.11.06
SIGNATURE	DATE	

**STEPPING MOTOR**

DWG.NO  
**ST5918L3008-B**