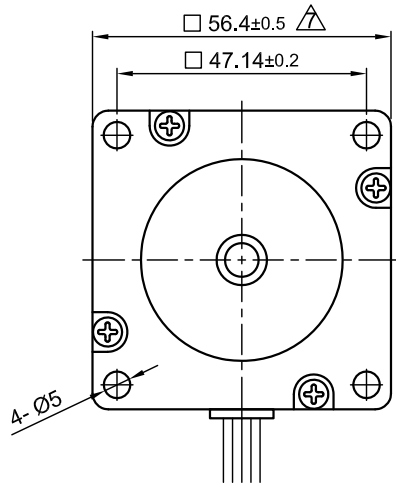
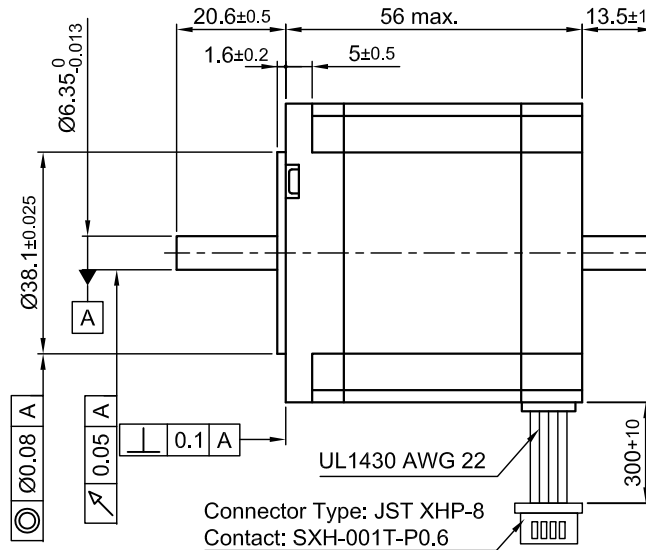


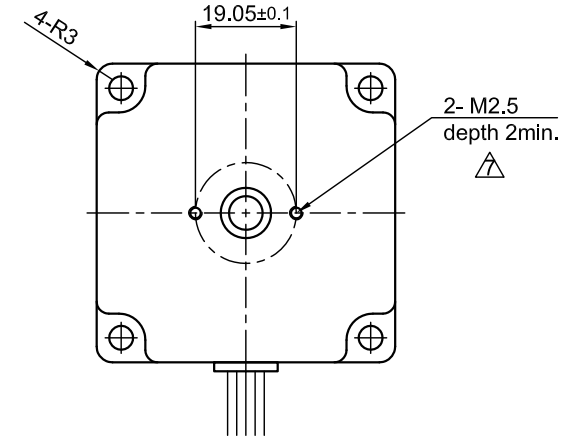
Front view and mounting



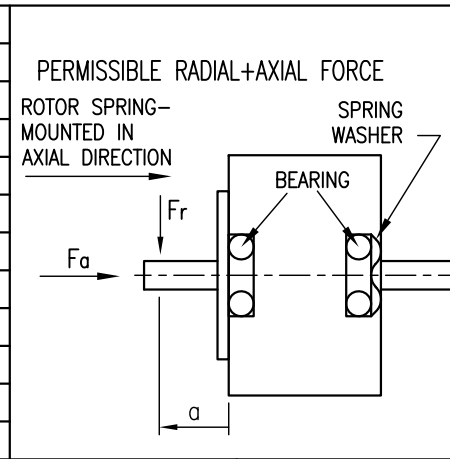
Side view



Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.4		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		1.7±10%	3.4±10%	0.85±10%
INDUCTANCE/PHASE (mH) @1KHz		2.5±20% $\Delta$	10.0±20% $\Delta$	2.5±20% $\Delta$
HOLDING TORQUE (Nm) [lb-in]		0.88 [7.8] $\Delta$	$\Delta$ 1.24 [10.98]	$\Delta$ 1.24 [10.98]
DETENT TORQUE (Nm) [lb-in]		0.04 [0.354]		
STEP ANGLE (°)		1.8		
ACCURACY(NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.0x10 <sup>-5</sup> [0.102]		
WEIGHT (Kg) [lb]		0.7 [1.54]		

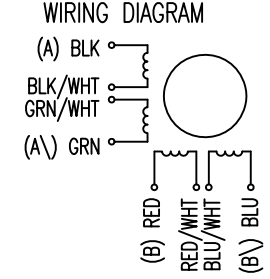


UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR		
	TWINDING	BIPOLAR SERIAL	PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	A	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\	B	B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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	+	-	-	+	↓	↑



7	revise draw./ change tol.	02.11.16	A.S.	<b>Nanotec</b> PLUG & DRIVE	APVD	S.Ha.	19.03.07	<b>STEPPING MOTOR</b>			
6	HOLD.TOR.+DELE. BACK-EMF	18.11.13	J.D.		CHKD						
5	NEW VALUE OF IND.	18.10.13	J.D.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	21.11.06	DWG.NO	
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE			ST5918M2008-B