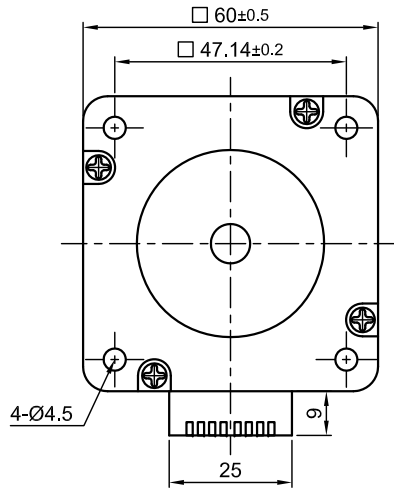
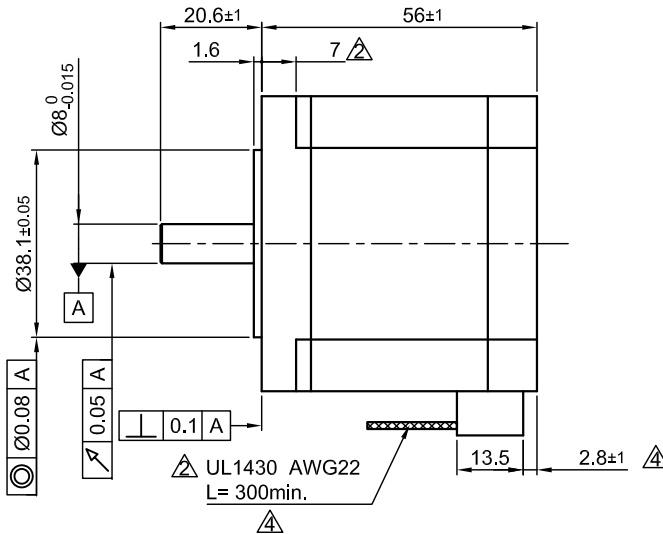


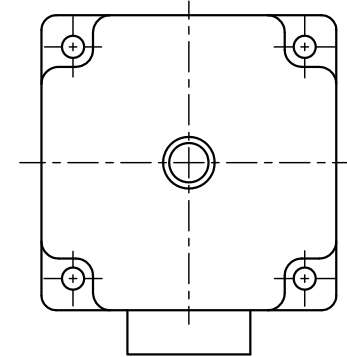
Front view and mounting



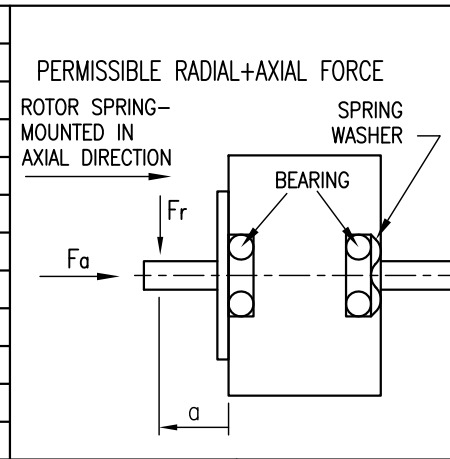
Side view



Rear view



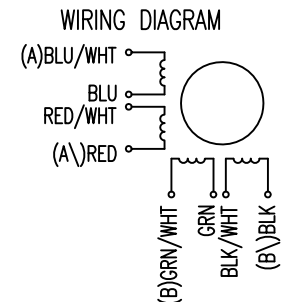
SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		4.0		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		2.0±15%	4.0±15%	1.0±15%
INDUCTANCE/PHASE (mH) @1KHz		4.6±20%	18.4±20%	4.6±20%
HOLDING TORQUE (Nm) [lb-in]		1.38 [12.21]	1.95 [17.26]	1.95 [17.26]
DETENT TORQUE (Nm) [lb-in]		0.035 [0.311]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		4.0x10 <sup>-5</sup> [0.154]		
WEIGHT (Kg) [lb]		0.77 [1.7]		



UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	LEADS	WINDING
A	A	A	A	BLU/WHT	A
COM				BLU	
A\		A\	A\	RED/WHT	A\
B	B	B	B	RED	
COM				GRN/WHT	B
B\		B\	B\	GRN	
				BLK/WHT	B\
				BLK	

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

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



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)				
	Fa=14				
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)	163	112	85	63
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)	0.075		0.025	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10		5.0	

4	change tol. cable/rework draw	09.03.16	A.S.	 <b>Nanotec</b> <sup>®</sup> PLUG & DRIVE	APVD	S.Ha.	16.01.07	<b>STEPPING MOTOR</b> DWG.NO ST6018M2008-A	
3	NEW VALUE OF INDUCTANCE	18.12.09	J.W.		CHKD				
2	ROTOR INERTIA+LENGTH+UL NO.	04.08.09	J.W.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	13.07.06
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE	