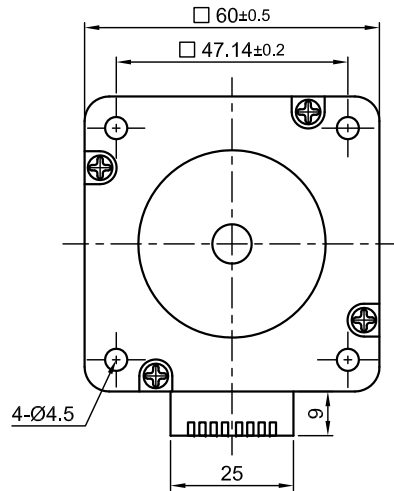
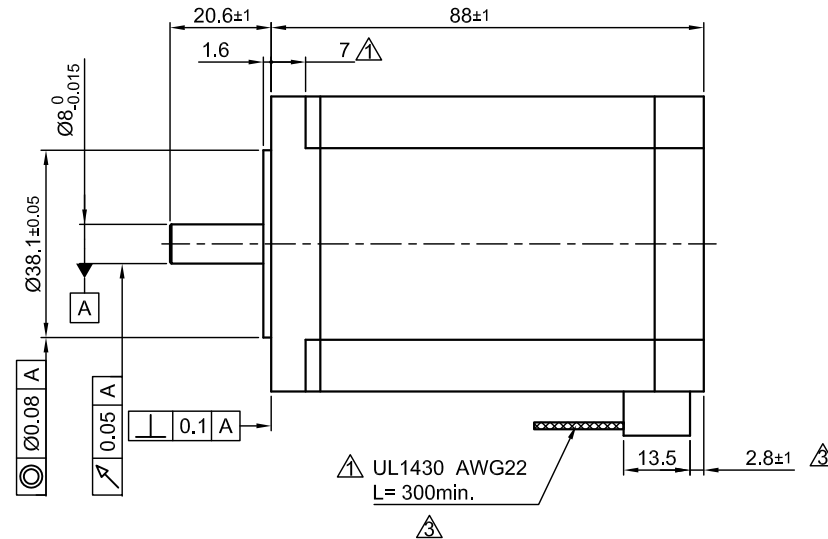


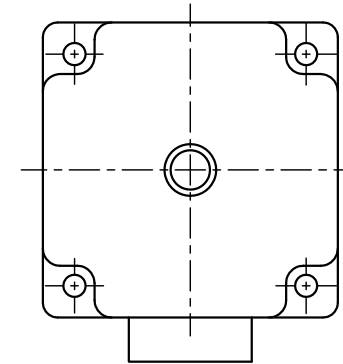
Front view and mounting



Side view

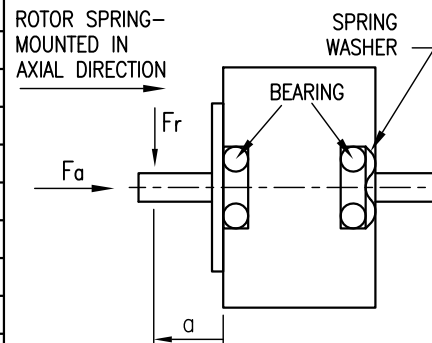


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		3.9		
AMPS/PHASE		3.0	2.12	4.24
RESISTANCE/PHASE (Ohms)@25°C		1.3±15%	2.6±15%	0.65±15%
INDUCTANCE/PHASE (mH) @1KHz		3.2±20%	12.8±20%	3.2±20%
HOLDING TORQUE (Nm) [lb-in]		2.5 [22.13]	3.54 [31.29]	3.54 [31.29]
DETENT TORQUE (Nm) [lb-in]		0.075 [0.664]		
STEP ANGLE (°)		1.8		
STEP ACCURACY (NON-ACCUM)		±5%		
ROTOR INERTIA (Kg-m²) [lb-in²]		8.4x10 ⁻⁵ [0.287]		
WEIGHT (Kg) [lb]		1.45 [3.2]		

PERMISSIBLE RADIAL+AXIAL FORCE



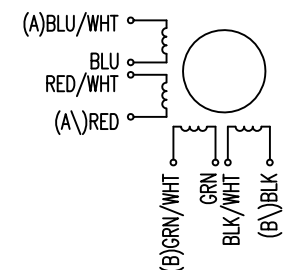
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		AXIAL-FORCE Fa (N)		Fa=14	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]		DISTANCE a (mm)		5	10
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		RADIAL-FORCE Fr (N)		163	112
INSULATION CLASS B 130° [266°F]				85	63
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				AXIAL	RADIAL
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		SHAFT PLAY (mm)		0.075	0.025
		AT LOAD MAX: (N)		10	5.0

TYPE OF CONNECTION (EXTERN)				MOTOR	
UNIPOLAR	BIPOLAR			LEADS	WINDING
	1WINDING	SERIAL	PARALLEL		
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	+	-	-	+	

WIRING DIAGRAM



3	change tol. cable/rework draw	09.03.16	A.S.	 Nanotec® PLUG & DRIVE			APVD	<i>S.Ha.</i>	16.01.07	STEPPING MOTOR	
2	CHANGE WEIGHT	02.06.14	J.D.				CHKD				
1	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	<i>J.W.</i>	13.07.06	DWG.NO	
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE	ST6018L3008-A	