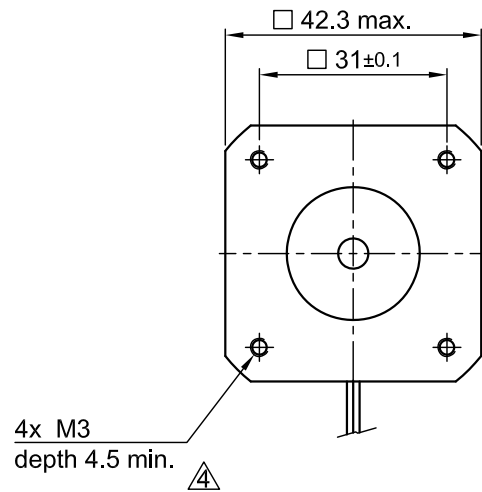
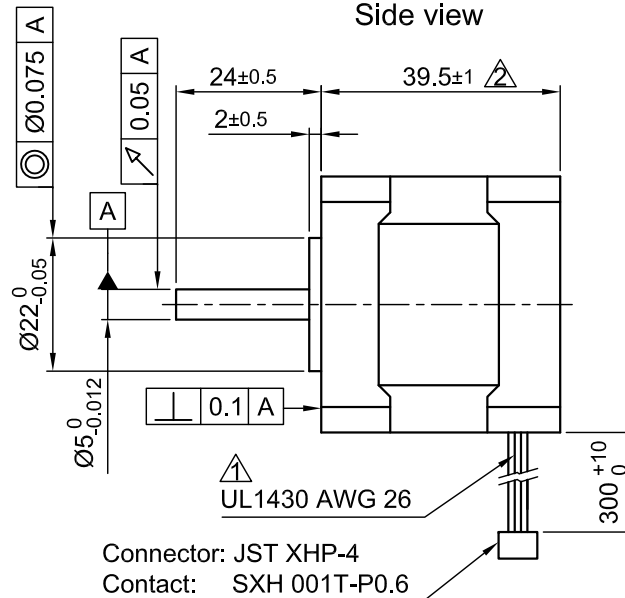


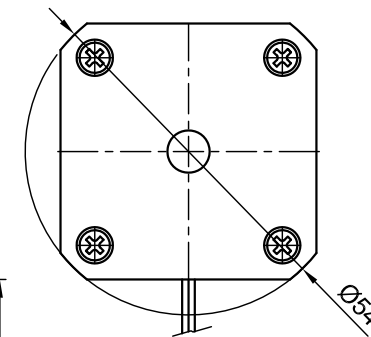
Front view and mounting



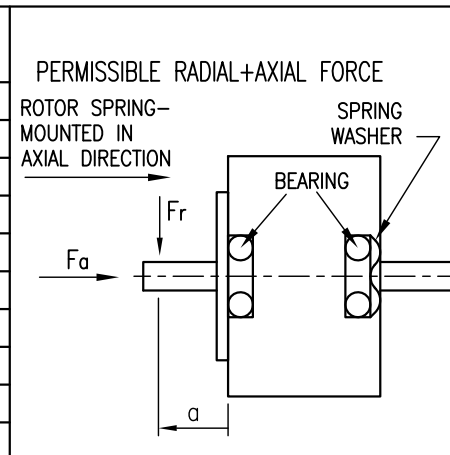
Side view



Rear view



CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VDC)	3.19
AMPS/PHASE	1.68
RESISTANCE/PHASE (Ohms)@25°C	1.9±15%
INDUCTANCE/PHASE (mH) @1KHz	4.0±20%
HOLDING TORQUE (Nm) [lb-in]	0.36 [3.186]
STEP ANGLE (°)	0.9
STEP ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]	5.4x10 ⁻⁶ [1.84x10 ⁻²]
WEIGHT (Kg) [lb]	0.28 [0.62]



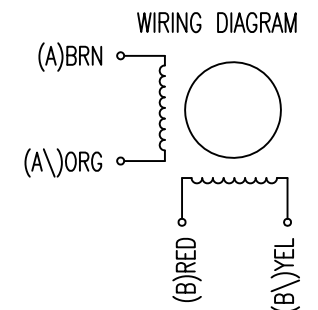
TYPE OF CONNECTION (EXTERN)	MOTOR			
	BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	BRN	A	
A\ —	2	ORG	A\	
B —	3	RED	B	
B\ —	4	YEL	B\	

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=7	
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)	58	36
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)			

	AXIAL	RADIAL
SHAFT PLAY (mm)	0.075	0.025
AT LOAD MAX: (N)	10	5.0

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

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



4	change tol./revise draw.	16.05.17	A.S.
3	change VOLT./RESIST.	09.07.15	A.S.
2	MOTOR LENGTH	09.11.09	J.W.
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.Hα.</i>	26.02.07
CHKD		
DRN	<i>J.W.</i>	28.06.06
SIGNATURE	DATE	

STEPPING MOTOR

DWG.NO
ST4209M1704-A