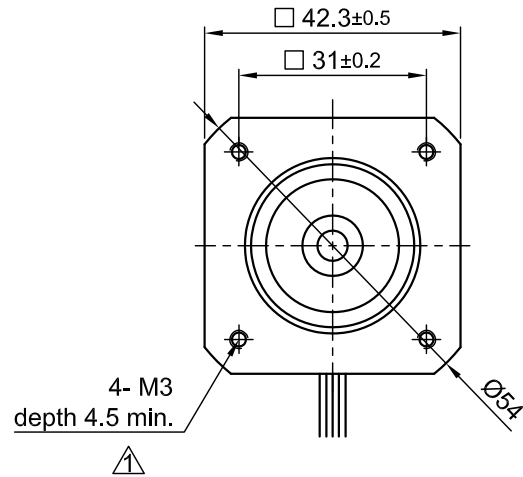
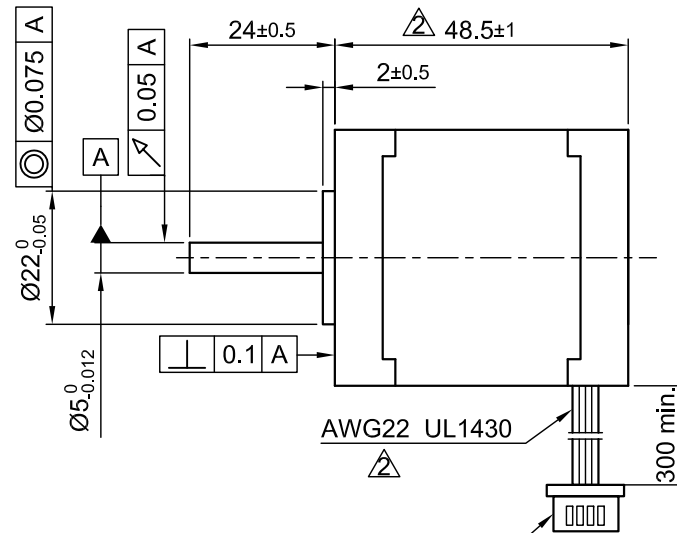


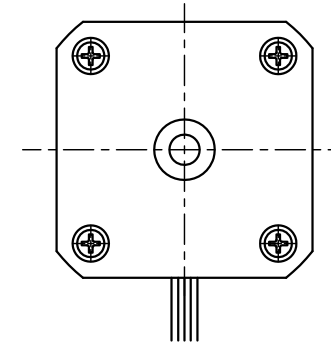
Front view and mounting



Side view



Rear view

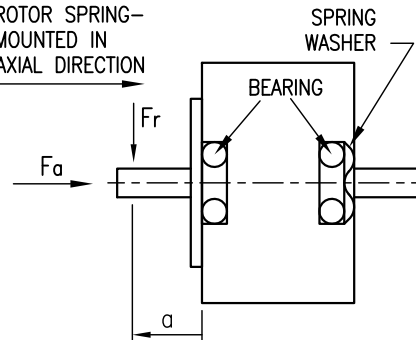


Connector Type: JST XHP-4

SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		1.9
AMPS/PHASE		3.0
RESISTANCE/PHASE (Ohms)@25°C		0.63±15%
INDUCTANCE/PHASE (mH) @1KHz		1.03±20%
HOLDING TORQUE (Nm) [lb-in]		0.5 [4.43]
DETENT TORQUE (Nm) [lb-in]		2.2x10 ⁻² [0.2]
STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]		8.2x10 ⁻⁶ [2.8x10 ⁻²]
WEIGHT (Kg) [lb]		0.34 [0.77]

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING-MOUNTED IN AXIAL DIRECTION



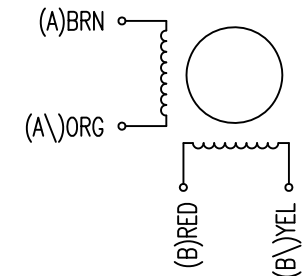
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=7
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5 10 15 20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58 36 26 20
INSULATION CLASS B 130° [266°F]		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

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

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

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

WIRING DIAGRAM



				Nanotec [®] PLUG & DRIVE			APVD	S.Ha.	17.03.10	STEPPING MOTOR	
2	change motor length/ AWG	01.06.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- ch	Work piece edge DIN ISO 13715	CHKD				
1	rework draw/change depth M3	10.02.16	A.S.				DRN	J.W.	17.03.10	DWG.NO ST4118L3004-A	
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE		