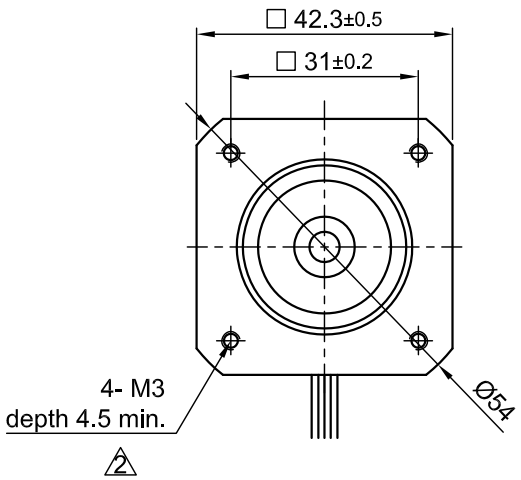
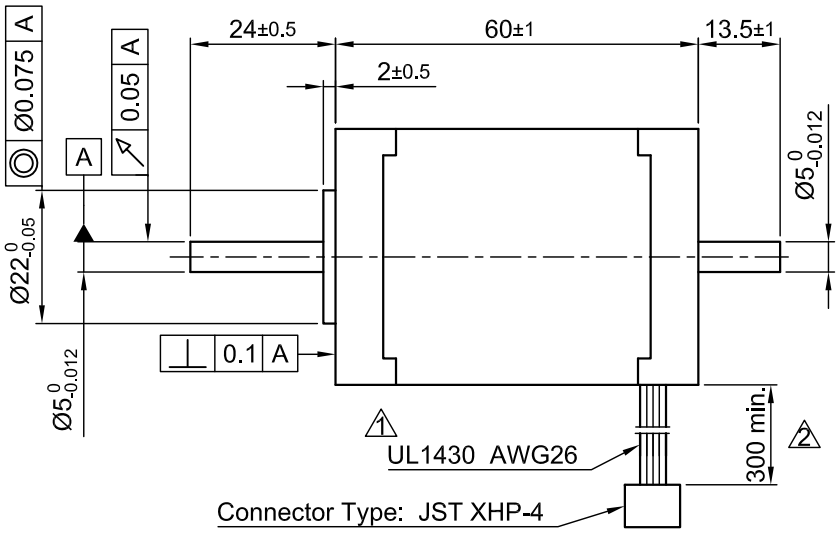
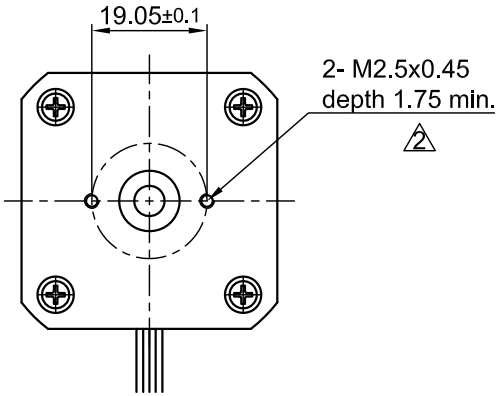
Front view and mounting



Side view

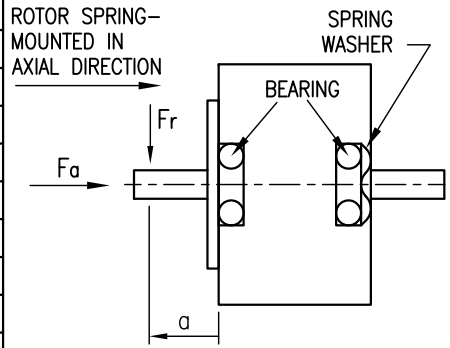


Rear view



SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	5.4
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	3.0±15%
INDUCTANCE/PHASE (mH) @1KHz	7.0±20%
HOLDING TORQUE (Nm) [lb-in]	0.8 [7.08] 1
DETENT TORQUE (Nm) [lb-in]	2.8×10^{-2} [0.25]
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	±5% 2
ROTOR INERTIA (Kg-m^2) [lb-in^2]	1.02×10^{-5} [3.48×10^{-2}]
WEIGHT (Kg) [lb]	0.5 [1.1]

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20

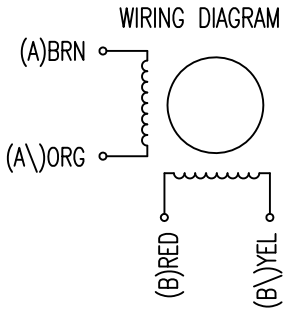
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

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	+	-	-	+	CW	

WIRING DIAGRAM



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)
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)

REV	DESCRIPTION	DATE	DRN
2	rework draw/change depth M2.5/M3	10.02.16	A.S.
1	UL NO. AND HOLDING TORQUE	17.09.08	J.W.

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715

APVD	S.Ha.	04.07.07
CHKD		
DRN	J.W.	04.07.07
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO
ST4118D1804-B