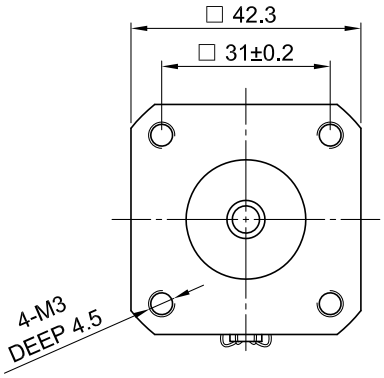
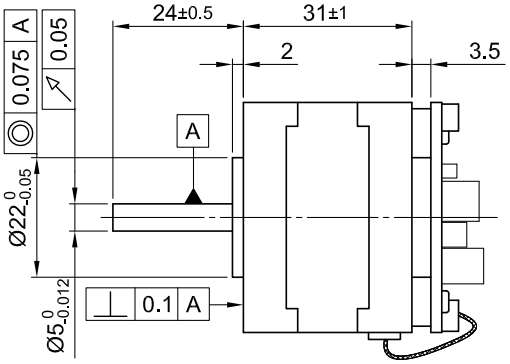
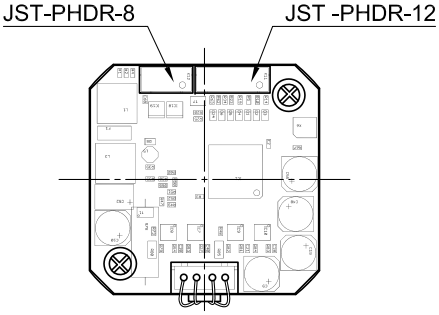
Front view and mounting



Side view



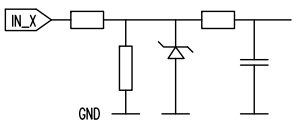
Rear view



SPECIFICATION \ CONNECTION	BIPOLAR
SUPPLY VOLTAGE (VDC)	12 TO 24
RATED CURRENT MOTOR (A)	1.4
PEAK ALLOWED CURRENT (A)	1.8 MAX.
HOLDING TORQUE (Nm) [lb-in]	0.2 [1.77]
DETENT TORQUE (Nm) [lb-in]	6.0×10^{-3} [5.31×10^{-3}]
STEP ANGLE (°) ± ACCURACY	*1.8 TO MICROSTEP
WEIGHT (Kg) [lb]	0.21 [0.46] ⚠1

*ADJUSTABLE WITH NANOPRO.

INPUT CONNECTION



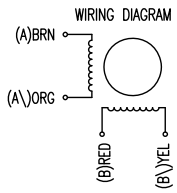
JST-PHDR-8	
PIN No.	Function
1	GND
2	GND
3	Rx−
4	Rx+
5	Tx−
6	Tx+
7	GND
8	UB 12-24 VDC

JST-PHDR-12 ⚠1	
PIN No.	Function
1	GND
2	Input 1
3	Input 2
4	Input 3
5	Input 4
6	Input 5
7	Input 6
8	Analog In
9	Output 1
10	Output 2
11	Output 3
12	GND

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

STEP	A	B	A\	B\		
1	+	+	−	−		CCW
2	−	+	+	−	CW	
3	−	−	+	+		
4	+	−	−	+		

WIRING DIAGRAM



OVERTEMPERATURE PROTECTION(ELECTRONICS): 80°
AMBIENT TEMPERATURE 0 ~ 40°C
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)

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	

REV	DESCRIPTION	DATE	APVD
1	TYPE OF CONNECTOR+WEIGHT	16.01.11	J.W.

Nanotec® PLUG & DRIVE

PD2-04118S1404-2

SCALE FREE		APVD	S.H.	06.09.10
X	±0.5	CHKD		
1PL	±0.2	DRN	GYQ	06.09.10
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO PD2-04118S1404-2