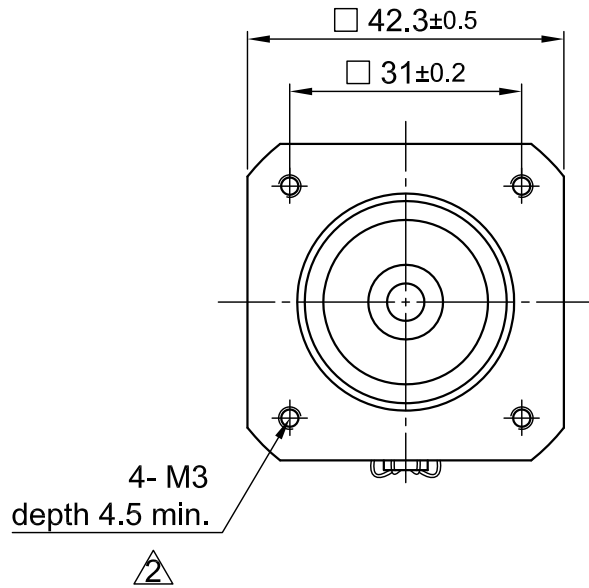
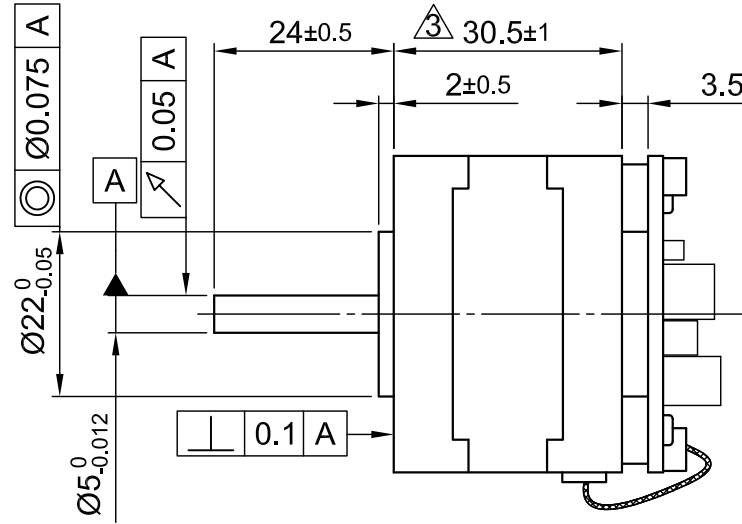


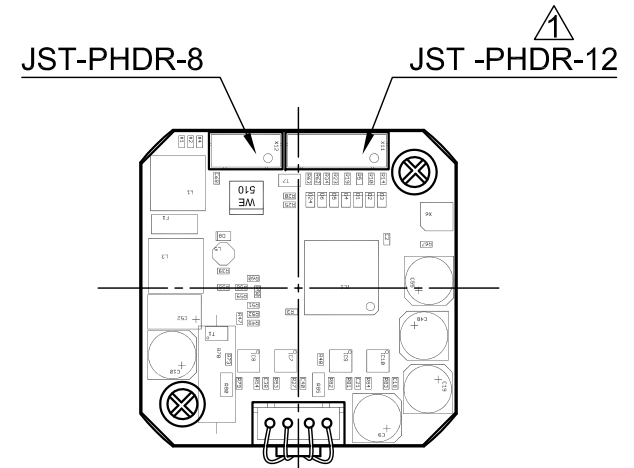
Front view and mounting



Side view



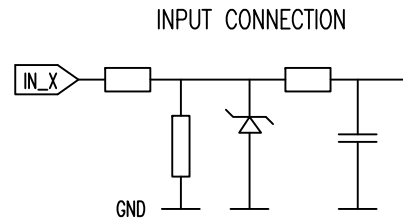
Rear view



SPECIFICATION	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]	$6.0 \times 10^{-3}$ [ $5.31 \times 10^{-3}$ ]
STEP ANGLE (°) ± ACCURACY	*1.8 TO MICROSTEP
WEIGHT (Kg) [lb]	0.21 [0.46]

\*ADJUSTABLE WITH NANOPRO.

OVERTEMPERATURE PROTECTION(ELECTRONICS): 80°	AXIAL-FORCE $F_a$ (N)	$F_a=7$			
AMBIENT TEMPERATURE 0 ~ 40°C	DISTANCE $a$ (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE $F_r$ (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	

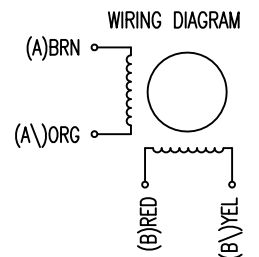


JST-PHDR-8	
PIN No.	Function
1	GND
2	GND
3	n.c.
4	n.c.
5	CAN low (CAN-)
6	CAN high (CAN+)
7	GND
8	UB 12-24 VDC

JST-PHDR-12	
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	+	+	-	-	
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	



3	change motor len./revise draw.	04.10.16	A.S.
2	change thread depth	10.08.16	A.S.
1	TYPE OF CONNECTOR+WEIGHT	16.01.11	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

APVD	S.H.	06.09.10
CHKD		
DRN	GYQ	06.09.10
SIGNATURE	DATE	

**STEPPING MOTOR**

DWG.NO

PD2-04118S1404-3