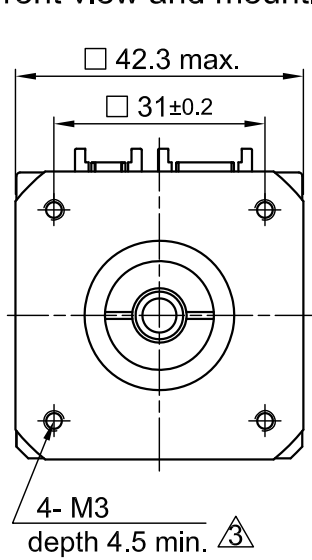
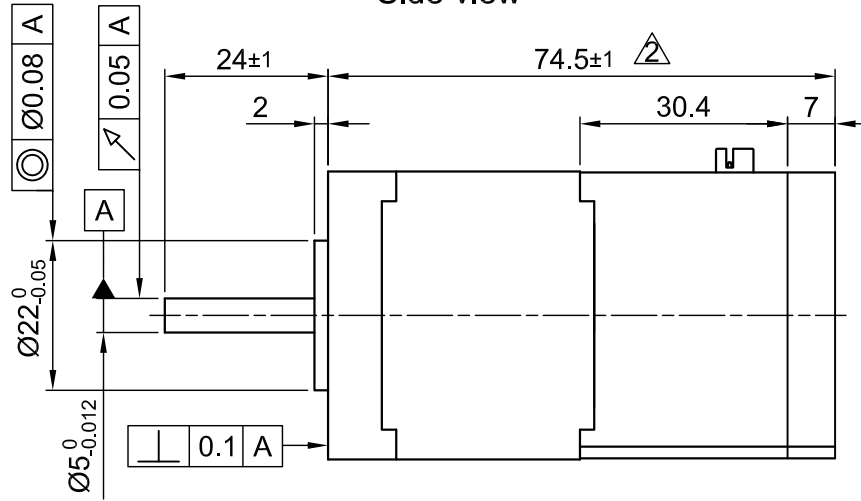


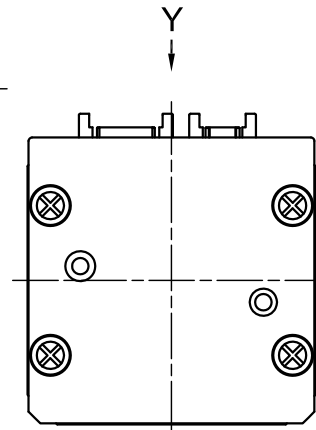
Front view and mounting



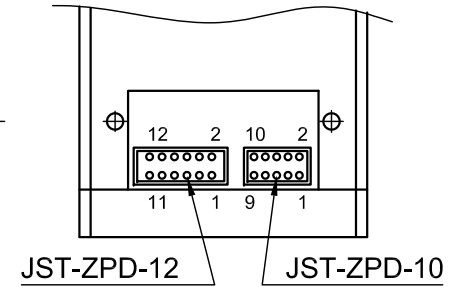
Side view



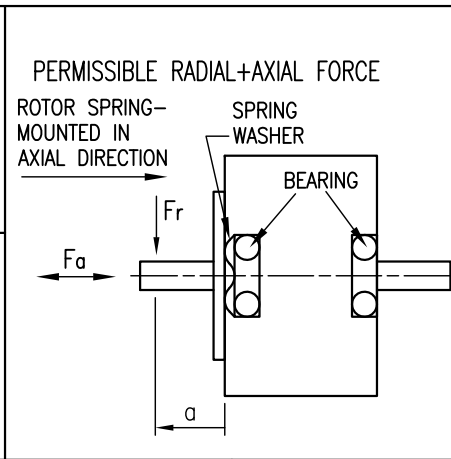
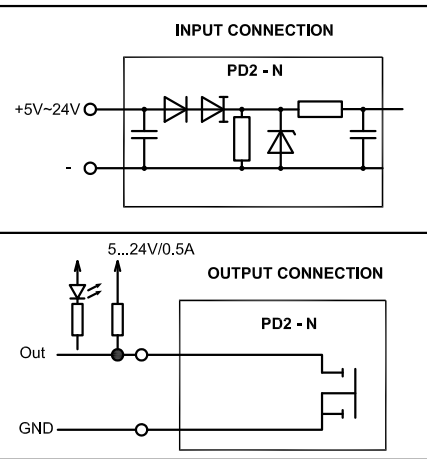
Rear view



Y view \triangle



SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		12 to 48
AMPS/PHASE		adj. to 1.8A (max. 3A)
RESISTANCE/PHASE (Ohms)@25°C		1.75±15%
INDUCTANCE/PHASE (mH) @1KHz		3.3±20%
HOLDING TORQUE (Nm) [lb-in]		0.5 [4.425]
DETENT TORQUE (Nm) [lb-in]		0.022 [0.195]
STEP ANGLE (°) ± ACCURACY		1.8 adj. to 1/64
BACK-EMF (V) (300 rpm)		6.9
ROTOR INERTIA (Kg-m ²) [lb-in ²]		8.2x10 ⁻⁶ [2.8x10 ⁻²]
WEIGHT (Kg) [lb]		0.42 [0.92]



JST ZPD-10	
PIN No.	ASSIGNMENT
1	GND
2	GND
3	+UB LOGIC \triangle
4	N.C.
5	CAN-
6	CAN+
7	GND
8	Vcc
9	Vcc
10	GND

JST ZPD-12	
PIN No.	ASSIGNMENT
1	GND
2	INPUT 1
3	INPUT 2
4	INPUT 3
5	INPUT 4
6	INPUT 5
7	INPUT 6
8	ANALOG INPUT
9	OUTPUT 1
10	OUTPUT 2
11	OUTPUT 3
12	GND

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		AXIAL-FORCE Fa (N)	Fr	7
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]		DISTANCE a (mm)		20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		RADIAL-FORCE Fr (N)		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)	0.1	0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		AT LOAD MAX: (N)	30	4.5

3	change tolerance M3	13.12.16	A.S.
2	change motorlength/ rework draw	17.08.16	A.S.
1	PIN ASSIGNMENT	13.06.12	J.W.
REV	DESCRIPTION	DATE	DRN

Nanotec
PLUG & DRIVE

APVD	<i>X.W.</i>	13.06.12
CHKD		
DRN	<i>J.W.</i>	13.06.12
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO PD-N4118L1804-3