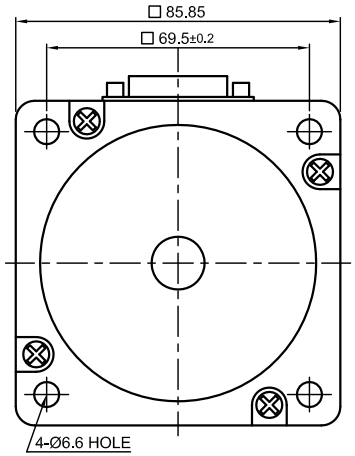
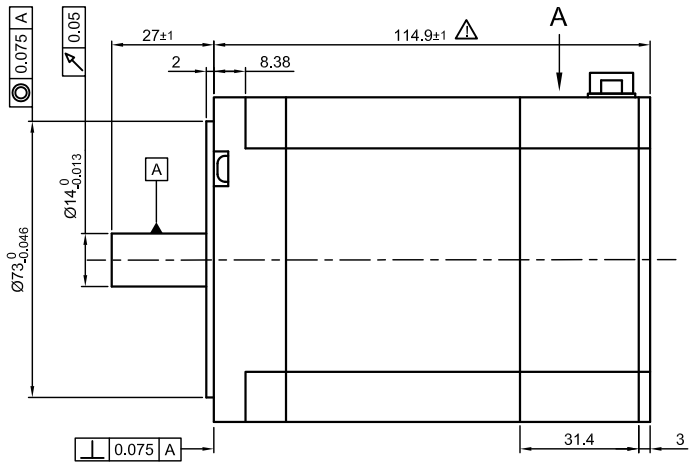
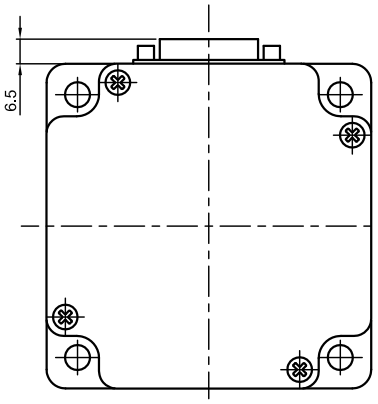
Front view and mounting



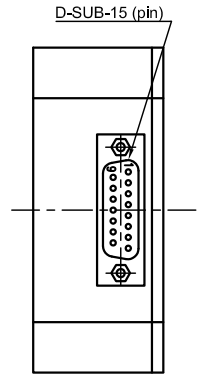
Side view



Rear view



Top view A



SPECIFICATION \ CONNECTION	BIPOLAR PARALLEL
VOLTAGE (VDC)	2.18
AMPS/PHASE	9.5
RESISTANCE/PHASE (Ohms)@25°C	0.23±15%
INDUCTANCE/PHASE (mH) @1KHz	2.6±20%
HOLDING TORQUE (Nm) [lb-in]	5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]	0.11 [0.9735]
STEP ANGLE (°) ± ACCURACY	1.8 ± 5% (NON-ACCUM)
BACK-EMF (V) (300 U/min.)	20.57
ROTOR INERTIA (Kg-m²) [lb-in²]	1.9x10⁻⁴ [0.649]
WEIGHT (Kg) [lb]	3.05 [6.72] ⚠1

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)

AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]

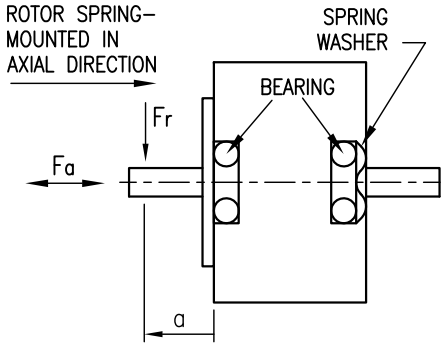
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)

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)

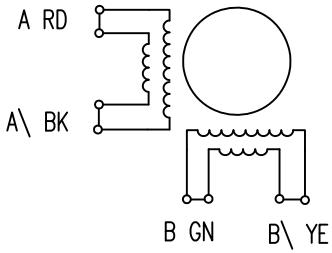
PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200

	AXIAL	RADIAL
SHAFT PLAY (mm)	0.075	0.025
AT LOAD MAX: (N)	10	5.0

WIRING DIAGRAM



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

STEP	A	B	A\	B\		CCW
1	+	+	-	-	↓	↑
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+	CW	

MOTOR D-SUB-15	
PIN	ASSIGNMENT
1	A
2	A
3	A\
4	A\
5	B
6	B
7	B\
8	B\
9	NC
10	NC
11	NC
12	NC
13	NC
14	NC
15	NC
HOUSING	GND/SHIELDING

REV	DESCRIPTION	DATE	APVD
1	WEIGHT	04.06.07	J.W.

Nanotec® PLUG & DRIVE

AD8918M9504

SCALE FREE	
X	±0.5
1PL	±0.2
2PL	±0.1
ANGLE	±30'

APVD	S.Ha.	18.04.07
CHKD		
DRN	J.W.	18.04.07
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO

AD8918M9504