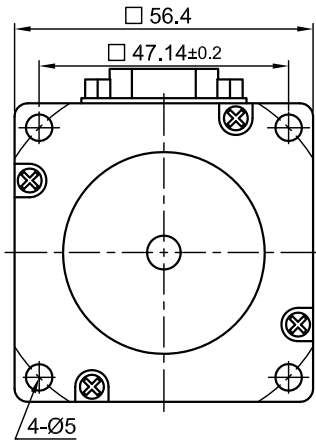
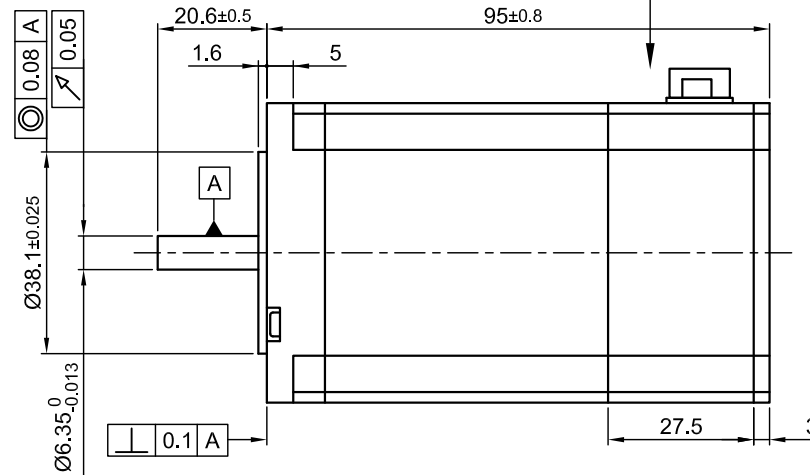


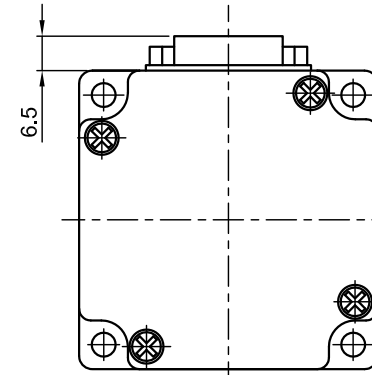
Front view and mounting



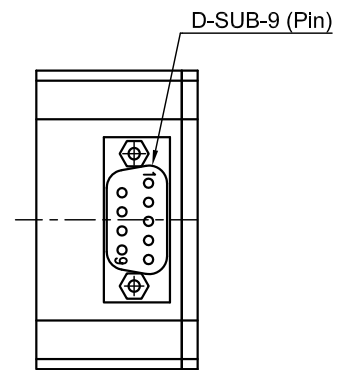
Side view



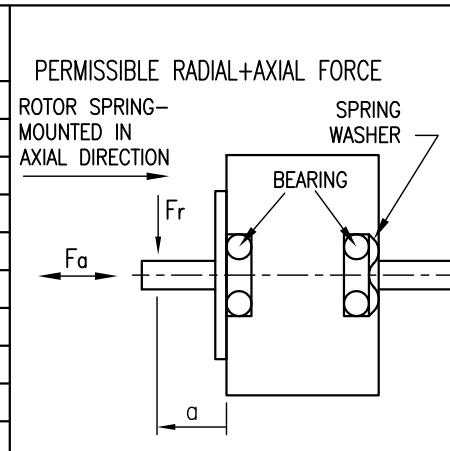
Rear view



Top view A

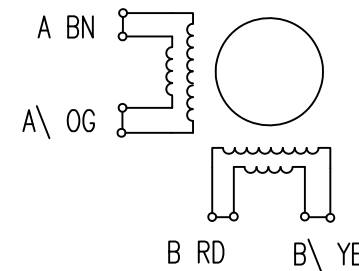


SPECIFICATION	CONNECTION	BIPOLAR PARALLEL
VOLTAGE (VDC)		1.6
AMPS/PHASE		6.4
RESISTANCE/PHASE (Ohms)@25°C		0.25±10%
INDUCTANCE/PHASE (mH) @1KHz		0.95±20%
HOLDING TORQUE (Nm) [lb-in]		1.84 [16.28]
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)
BACK-EMF (V) (300 U/min)		7.65
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]
WEIGHT (Kg) [lb]		1.1 [2.43]
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)		



	AXIAL-FORCE Fa (N)	Fa=15			
DISTANCE a (mm)		5	10	15	20
RADIAL-FORCE Fr (N)		130	90	70	52
		AXIAL	RADIAL		
SHAFT PLAY (mm)		0.08	0.02		
AT LOAD MAX: (N)		4.5	4.5		

WIRING DIAGRAM



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

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

MOTOR D-SUB-9	
PIN	ASSIGNMENT
1	A
2	A\
3	B
4	B\
5	NC
6	NC
7	NC
8	NC
9	NC
HOUSING	GND/SHIELDING

REV	DESCRIPTION	DATE	APVD
2	WIRING DIAGRAM	12.06.07	J.W.
1	WEIGHT	04.06.07	J.W.

Nanotec
PLUG & DRIVE

AD5918L6404

SCALE	FREE	APVD	S.Ha.	29.01.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	29.01.07
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO AD5918L6404