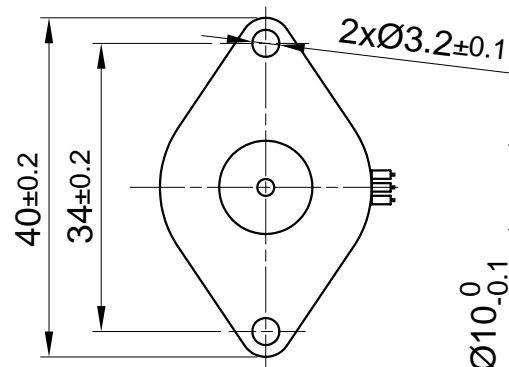
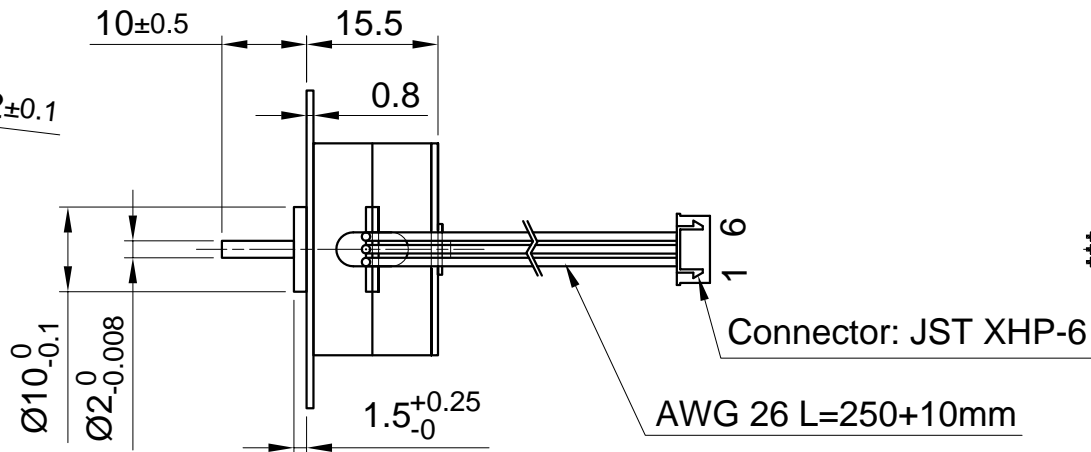


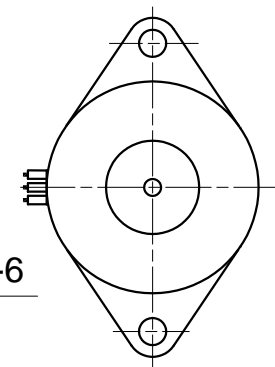
Front view and mounting



Side view

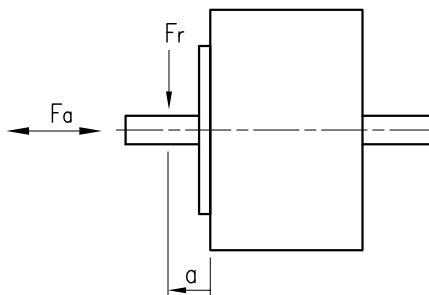


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	12	17
AMPS/PHASE	0.24	0.17
RESISTANCE/PHASE (Ohms)@25°C	50±10%	100±10%
INDUCTANCE/PHASE (mH) @1KHz	16±20%	64±20%
HOLDING TORQUE (Nm) [lb-in]	0.016 [0.142]	0.023 [0.2]
DETENT TORQUE (Nm) [lb-in]	4.0x10 ⁻³ [0.035]	
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±8%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1x10 ⁻⁷ [3.416x10 ⁻⁴]	
WEIGHT (Kg) [lb]	0.036 [0.079]	
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
AMBIENT TEMPERATURE -20~ 50°C [-4°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)	Fr=1.5	
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)	Fr=3.0	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.06
AT LOAD MAX: (N)	4.5	4.5

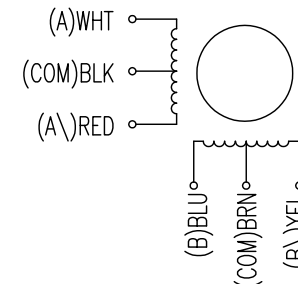
UNIPOLAR	TYPE OF CONNECTION (EXTERN)		MOTOR		
	1WINDING	SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A ---	A ---	A ---	1	WHT	A
COM ---	COM ---	COM ---	5	BLK	COM
A\ ---	A\ ---	A\ ---	3	RED	A\
B ---	B ---	B ---	2	BLU	B
COM ---	COM ---	COM ---	6	BRN	COM
B\ ---	B\ ---	B\ ---	4	YEL	B\

for >speed ←
for <speed ←

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

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

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE	FREE	APVD	S.Hα.	12.03.07	STEPING MOTOR
				SP2575M0206-A	X	±0.5	CHKD			
					1PL	±0.2	DRN	J.W.	08.11.06	DWG.NO
					2PL	±0.1	SIGNATURE		DATE	SP2575M0206-A
					ANGLE	±30'				