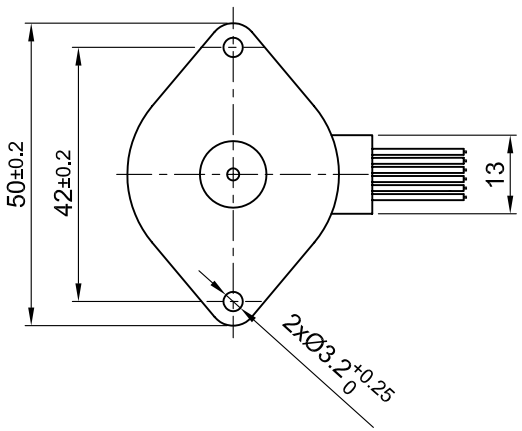
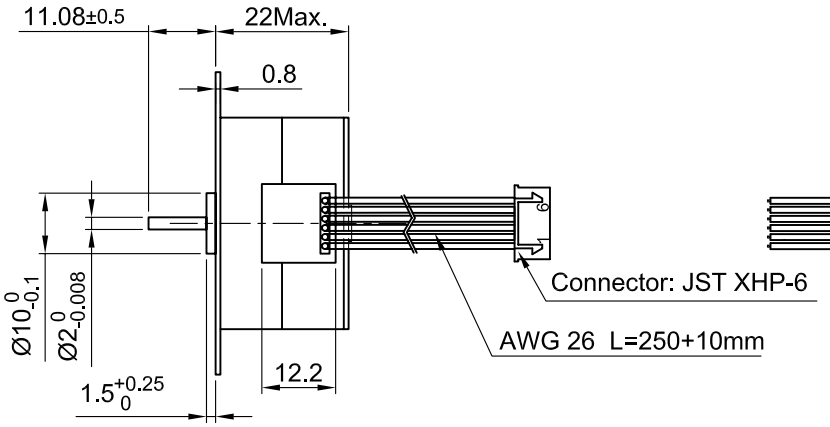
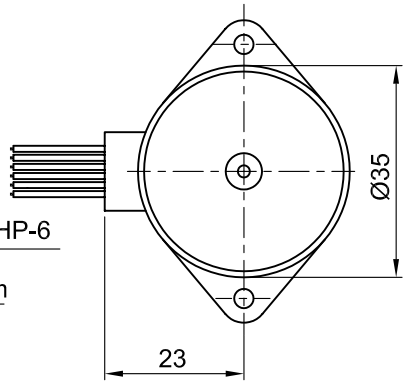
Front view and mounting



Side view

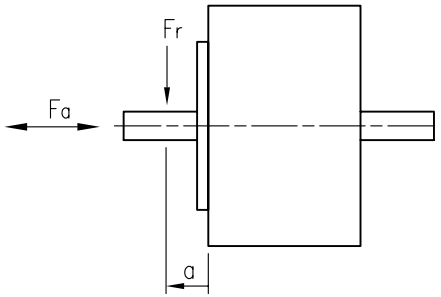


Rear view



SPECIFICATION \ CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	5.0	7.0
AMPS/PHASE	0.86	⚠2 0.61
RESISTANCE/PHASE (Ohms)@25°C	5.8±10%	⚠1 11.6±10%
INDUCTANCE/PHASE (mH) @1KHz	6.5±20%	26±20%
HOLDING TORQUE (Nm) [lb-in]	0.055 [0.487]	⚠1 0.078 [0.689]
DETENT TORQUE (Nm) [lb-in]	$1.25x10^{-2}$ [0.111]	
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±7%	
ROTOR INERTIA ($Kg-m^2$) [$lb-in^2$]	$7.5x10^{-7}$ [$1.708x10^{-3}$]	
WEIGHT (Kg) [lb]	0.09 [0.198]	

PERMISSIBLE RADIAL+AXIAL FORCE



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=1.5	
AMBIENT TEMPERATURE -20°~ 50°C [-4°F ~ 122°F]	DISTANCE a (mm)	1/2 SCHAFTLENGTH	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	Fr=3.0	
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	0.06
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5	4.5

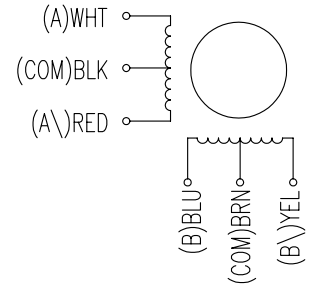
TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	1	WHT	A
COM	COM		5	BLK	COM
A\		A\	3	RED	A\
B	B	B	2	BLU	B
COM	COM		6	BRN	COM
B\		B\	4	YEL	B\

for >speed
for <speed

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

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

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD
2	AMPS/PHASE	28.08.08	J.W.
1	VALUE	28.06.07	J.W.

NANOTEC:

SP3575M0906-A

SCALE FREE		APVD	S.Ha.	12.03.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	23.11.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO

SP3575M0906-A