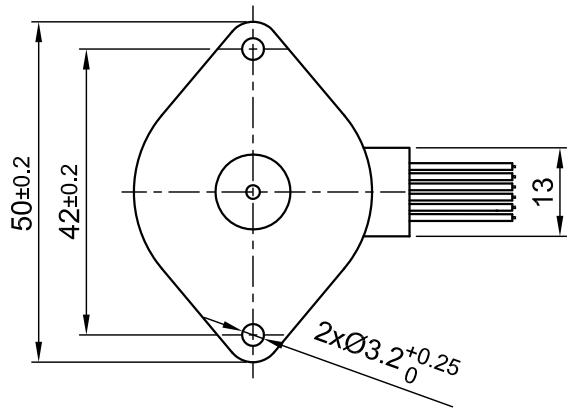
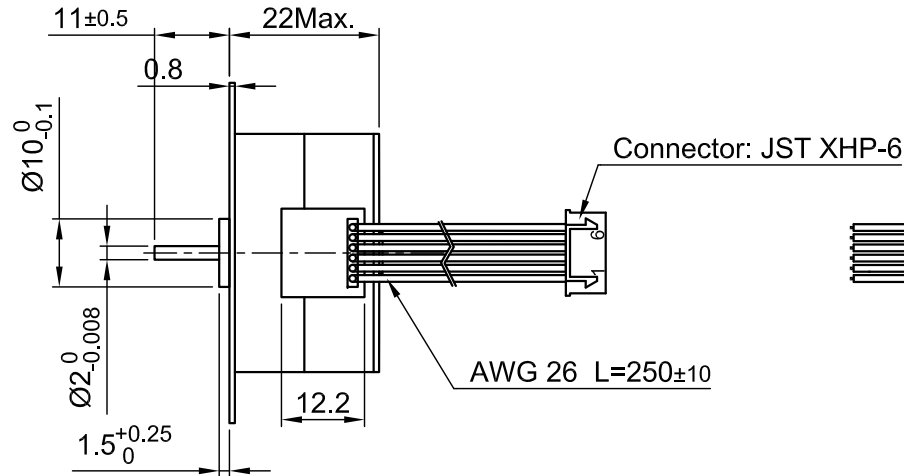


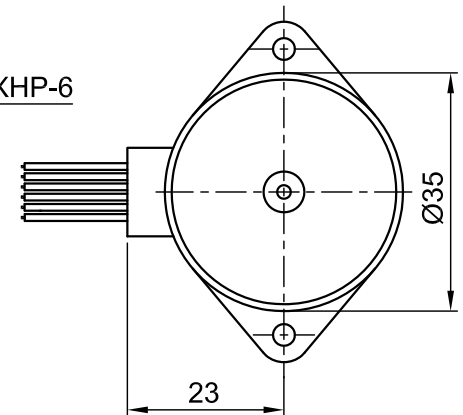
Front view and mounting



Side view

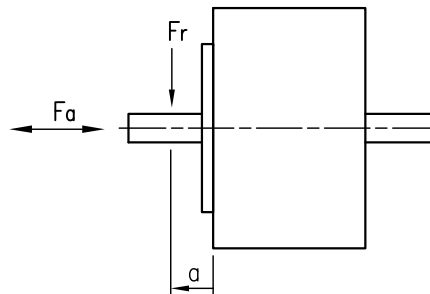


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	5.0	7.0
AMPS/PHASE	0.86	△ 0.61
RESISTANCE/PHASE (Ohms)@25°C	5.8±10%	△ 11.6±10%
INDUCTANCE/PHASE (mH) @1KHz/△	3.2±20%	12.8±20%
HOLDING TORQUE (Nm) [lb-in]	0.055 [0.487]	△ 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 [1.71x10 ⁻³]	
WEIGHT (Kg) [lb]	0.09 [0.198]	

PERMISSIBLE RADIAL+AXIAL FORCE

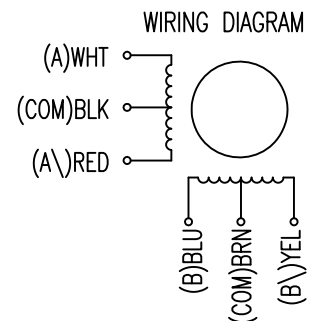


TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1 WINDING	SERIAL			
A ---	A ---	A ---	1	WHT	A
COM ---	COM ---	---	5	BLK	COM
A \ ---	---	A \ ---	3	RED	A \
B ---	B ---	B ---	2	BLU	B
COM ---	COM ---	---	6	BRN	COM
B \ ---	---	B \ ---	4	YEL	B \

for >speed ←---┐
for <speed ←---┘

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

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



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=1.5
AMBIENT TEMPERATURE -10~ 40°C [14°F ~ 104°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 E 120° [248°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

3	DRAWING UPDATED	22.02.10	J.W.
2	AMPS/PHASE	28.08.08	J.W.
1	VALUE	28.06.07	J.W.
REV	DESCRIPTION	DATE	APVD



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