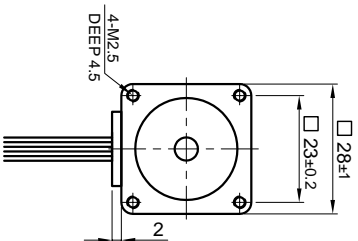
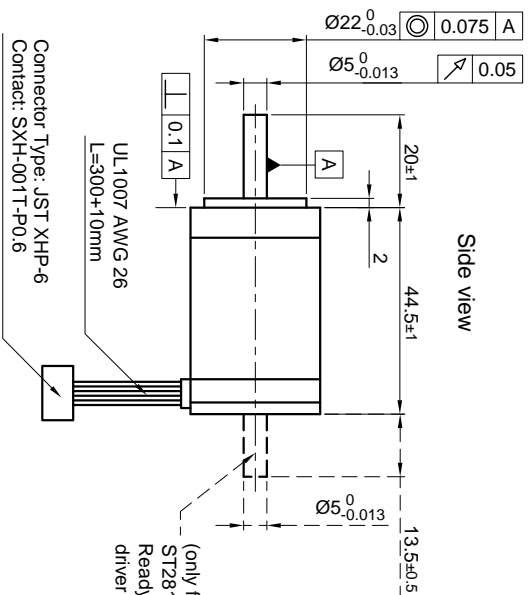


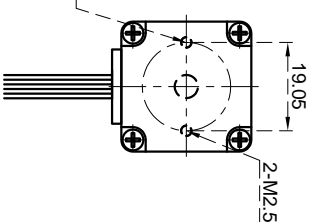
Front view and mounting



Side view

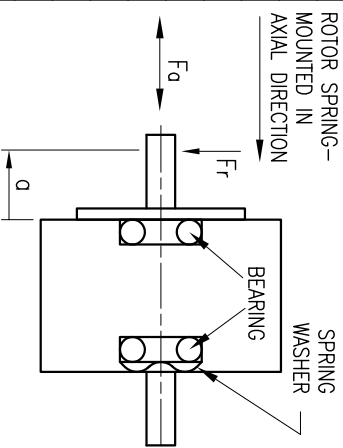


Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR -1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	3.23	4.56
AMPS/PHASE	0.95	0.67
RESISTANCE/PHASE (Ohms)@25°C	3.4±15%	6.8±15%
INDUCTANCE/PHASE (mH) @1KHz	1.2±20%	4.8±20%
HOLDING TORQUE (Nm) [lb-in]	0.075 [0.664]	0.106 [0.938]
DETTENT TORQUE (Nm) [lb-in]	3.75×10 <sup>-3</sup> [0.0332]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	12×10 <sup>-7</sup> [4.1×10 <sup>-3</sup> ]	
WEIGHT (kg) [lb]	0.176 [0.388]	
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 F <sub>a</sub> (N)	F <sub>a</sub> =7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE F <sub>r</sub> (N)	58	36	26	20
AXIAL	0.075			
RADIAL		0.025		
SHAFT PLAY (mm)	0.075			
AT LOAD MAX. (N)	10			5.0

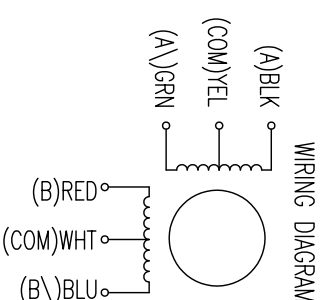
SCALE FREE	APVD	CHKD	DRN	SIGNATURE	DATE
X ±0.5	<b>S.K.</b>				06.06.06
1PL ±0.2					
2PL ±0.1					
ANGLE ±30°					

APVD	CHKD	DRN	SIGNATURE	DATE
			<b>J.W.</b>	06.06.06

for >speed →  
for <speed ←

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

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



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

STEPPING MOTOR

DWG.NO

ST2818M1006