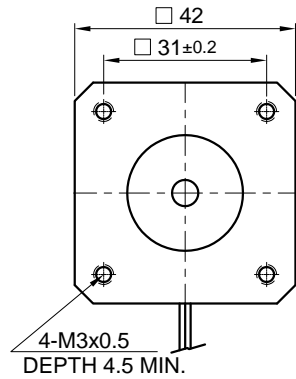
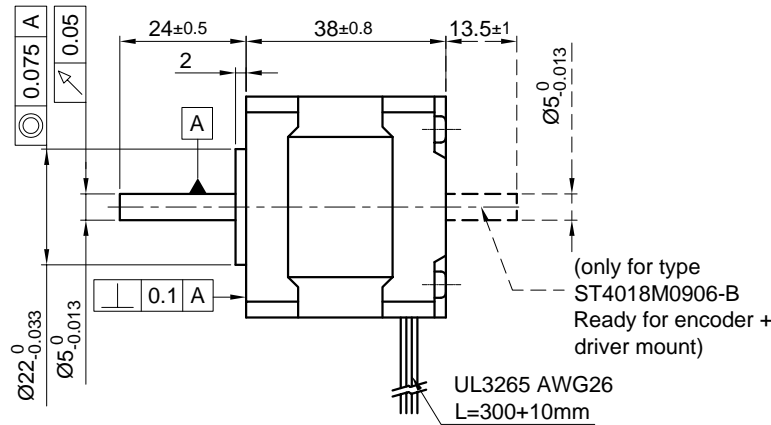


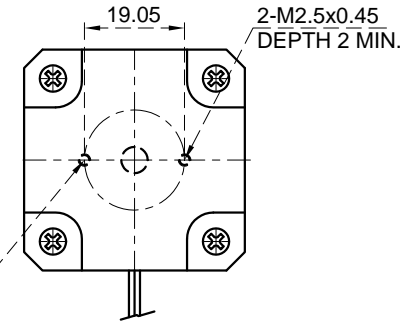
Front view and mounting



Side view

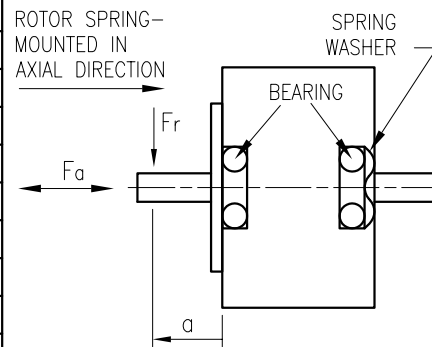


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
	VOLTAGE (VDC)		5.1
AMPS/PHASE		0.9	0.64
RESISTANCE/PHASE (Ohms)@25°C		5.7±15%	11.4±15%
INDUCTANCE/PHASE (mH) @1KHz		6.8±20%	27.2±20%
HOLDING TORQUE (Nm) [lb-in]		0.28 [2.478]	0.396 [3.505]
DETENT TORQUE (Nm) [lb-in]		0.98x10 ⁻² [8.673x10 ⁻²]	
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁶ [0.0164]	
WEIGHT (Kg) [lb]		0.27 [0.60]	
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



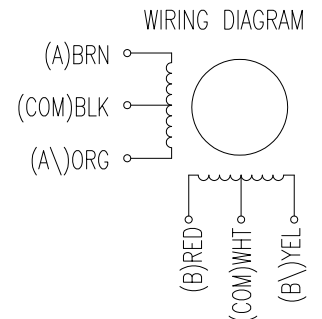
AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
	AXIAL		RADIAL	
SHAFT PLAY (mm)	0.075		0.025	
AT LOAD MAX: (N)	10		5.0	

UNIPOLAR	TYPE OF CONNECTION (EXTERN)		MOTOR	
	1WINDING	SERIAL	LEADS	WINDING
A	A	A	BRN	A
COM	COM	COM	BLK	COM
A\	A\	A\	ORG	A\
B	B	B	RED	B
COM	COM	COM	WHT	COM
B\	B\	B\	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	+	-	-	+	↓	↑



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE FREE	APVD	S.K.	26.04.06	STEPPING MOTOR
					X ±0.5		CHKD		
					1PL ±0.2		DRN	J.W.	24.04.06
					2PL ±0.1				DWG.NO
					ANGLE ±30'		SIGNATURE	DATE	ST4018M0906