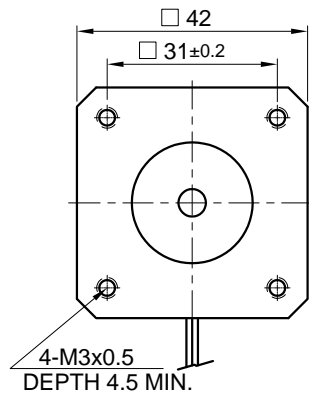
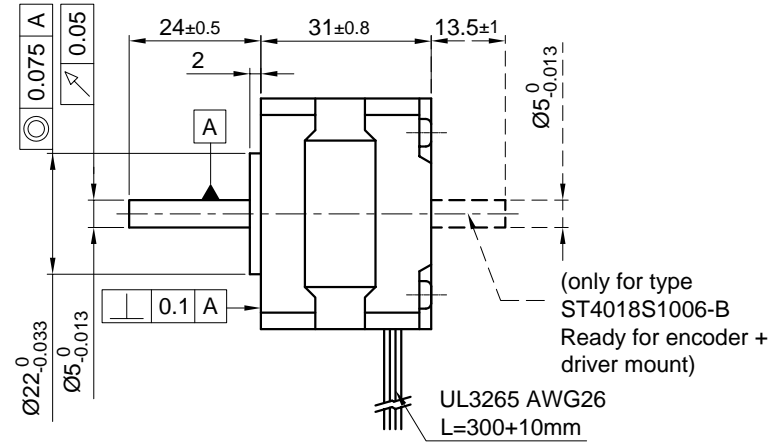


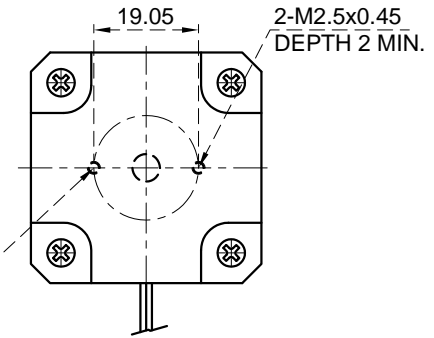
Front view and mounting



Side view

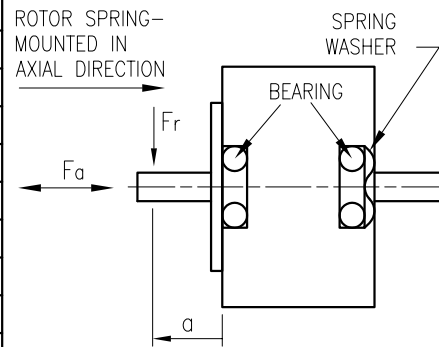


Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
	VOLTAGE (VDC)		3.7
AMPS/PHASE		0.95	0.67
RESISTANCE/PHASE (Ohms)@25°C		3.9±15%	7.8±15%
INDUCTANCE/PHASE (mH) @1KHz		3.6±20%	14.4±20%
HOLDING TORQUE (Nm) [lb-in]		0.16 [1.416]	0.226 [2.0]
DETENT TORQUE (Nm) [lb-in]		0.59x10 ⁻² [5.222x10 ⁻²]	
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]		2.7x10 ⁻⁶ [0.92x10 ⁻²]	
WEIGHT (Kg) [lb]		0.2 [0.44]	
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



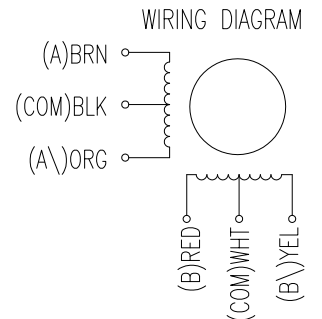
	AXIAL-FORCE Fa (N)		Fa=7			
			DISTANCE a (mm)			
			5	10	15	20
	RADIAL-FORCE Fr (N)		58	36	26	20
			AXIAL		RADIAL	
	SHAFT PLAY (mm)		0.075		0.025	
	AT LOAD MAX: (N)		10		5.0	

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



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.	26.04.06	
					2PL	±0.1	SIGNATURE		DATE	
					ANGLE	±30'				
				ST4018S1006					DWG.NO	ST4018S1006