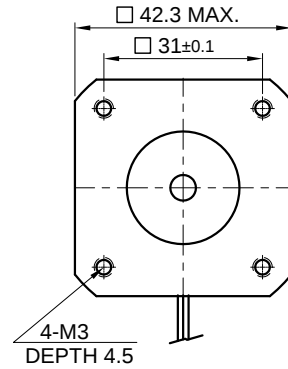
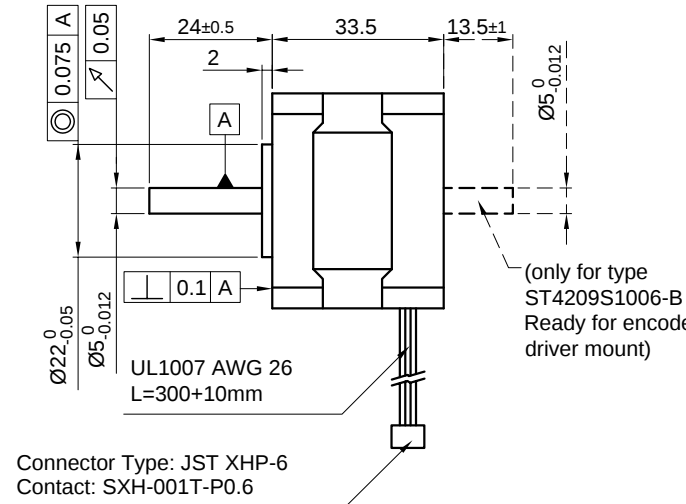


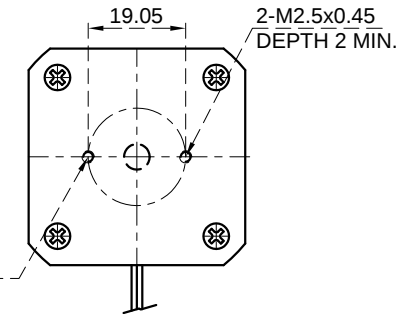
Front view and mounting

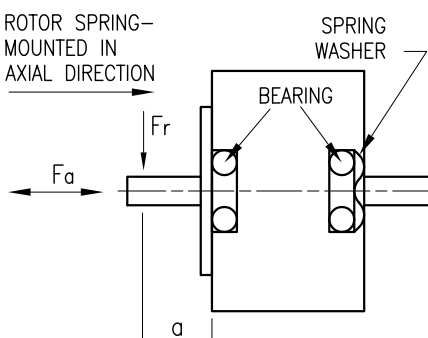


Side view



Rear view

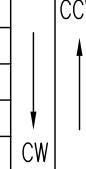


SPECIFICATION		CONNECTION		UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR SERIAL		PERMISSIBLE RADIAL+AXIAL FORCE						TYPE OF CONNECTION (EXTERN)				MOTOR					
								ROTOR SPRING-MOUNTED IN AXIAL DIRECTION						UNIPOLAR		BIPOLAR		CONNECTOR PIN NO.		LEADS	WINDING		
VOLTAGE (VDC)				4.0		5.63								A		1WINDING		SERIAL		1		BRN	A
AMPS/PHASE				0.95		0.67								COM		COM		A\		3		ORG	A\
RESISTANCE/PHASE (Ohms)@25°C				4.2±15%		8.4±15%								B		B		B\		2		RED	B
INDUCTANCE/PHASE (mH) @1KHz				4.0±20%		16±20%								COM		COM		B\		6		WHT	COM
HOLDING TORQUE (Nm) [lb-in]				0.15 [1.328]		0.212 [1.876]								B\		B\		4		YEL	B\		
DETENT TORQUE (Nm) [lb-in]				4.5x10 ⁻³ [0.0398]																			
STEP ANGLE (°)				0.9																			
STEP ACCURACY (NON-ACCUM)				±5%																			
ROTOR INERTIA (Kg-m ²) [lb-in ²]				3.5x10 ⁻⁶ [0.012]																			
WEIGHT (Kg) [lb]				0.22 [0.485]																			
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)								AXIAL-FORCE Fa (N)				Fa=7											
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]								DISTANCE a (mm)				5 10 15 20											
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)								RADIAL-FORCE Fr (N)				58 36 26 20											
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)				0.075 0.025											
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)								AT LOAD MAX: (N)				10 5.0											
								NANOTEC:				SCALE FREE		APVD		S.Hα.		26.02.07		STEPPING MOTOR			
												X ±0.5		CHKD									
												1PL ±0.2		DRN		J.W.		29.06.06		DWG.NO			
REV		DESCRIPTION		DATE		APVD		ST4209S1006				ANGLE ±30'		SIGNATURE		DATE		ST4209S1006					

for >speed ←

for <speed ←

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

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

WIRING DIAGRAM

(A)BRN (COM)BLK (A\)ORG

(B)RED (COM)WHT (B\)YEL