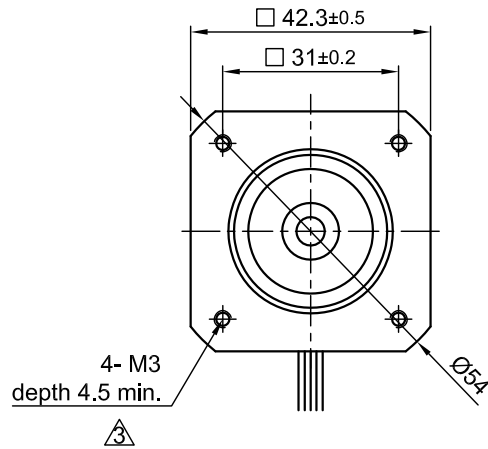
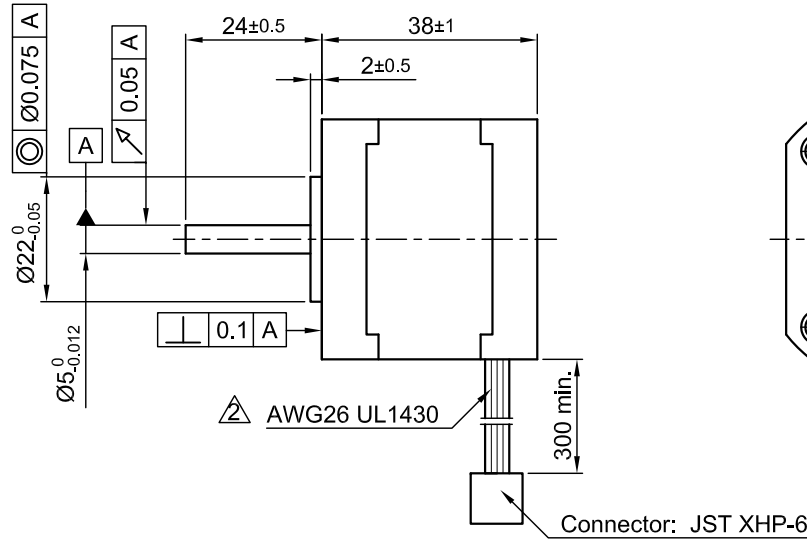


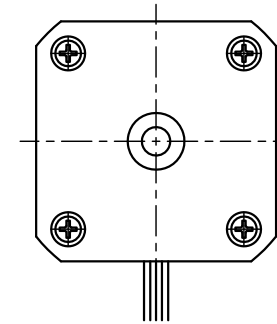
Front view and mounting



Side view

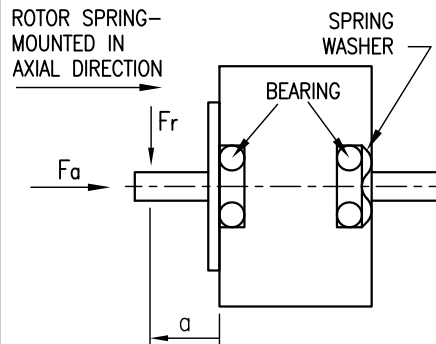


Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	12	17.0
AMPS/PHASE	0.4	0.28
RESISTANCE/PHASE (Ohms)@25°C	30±15%	60±15%
INDUCTANCE/PHASE (mH) @1KHz	25±20% $\Delta$	100±20% $\Delta$
HOLDING TORQUE (Nm) [lb-in]	0.28 [2.478]	0.396 [3.505]
DETENT TORQUE (Nm) [lb-in]	0.98x10 <sup>-2</sup> [8.673x10 <sup>-2</sup> ]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	5.7x10 <sup>-6</sup> [1.95x10 <sup>-2</sup> ]	
WEIGHT (Kg) [lb]	0.24 [0.53]	

PERMISSIBLE RADIAL+AXIAL FORCE



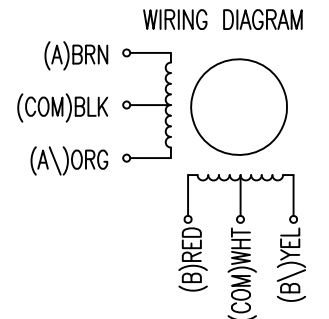
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	
	Fa=7	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5 10 15 20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58 36 26 20
INSULATION CLASS B 130° [266°F]		AXIAL RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 4.5

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



3	rework draw/change depth M3	09.02.16	A.S.		APVD	S.Ha.	26.02.07	<b>STEPPING MOTOR</b>		
2	UL NO.	03.03.09	J.W.		CHKD					
1	INDUCTANCE	26.04.07	J.W.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	29.11.06	DWG.NO ST4118M0406-A
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		