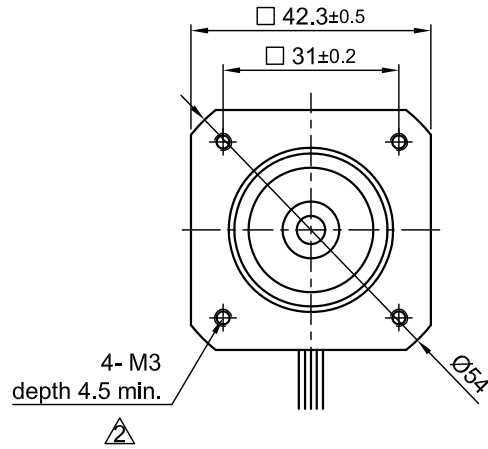
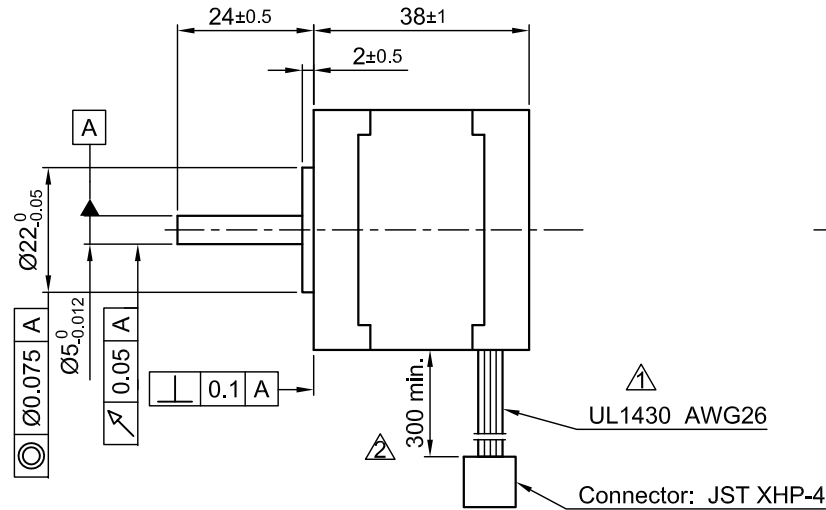


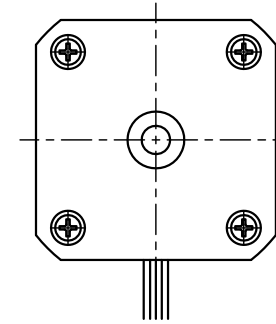
Front view and mounting



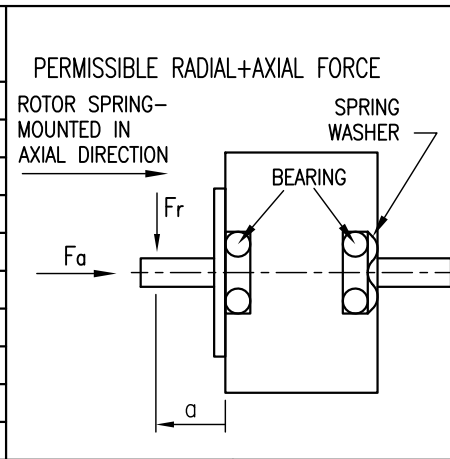
Side view



Rear view



SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		1.7
AMPS/PHASE		1.4
RESISTANCE/PHASE (Ohms)@25°C		1.2±15%
INDUCTANCE/PHASE (mH) @1KHz		1.7±20%
HOLDING TORQUE (Nm) [lb-in]		0.24 [2.124]
DETENT TORQUE (Nm) [lb-in]		9.8x10 <sup>-3</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]
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)		

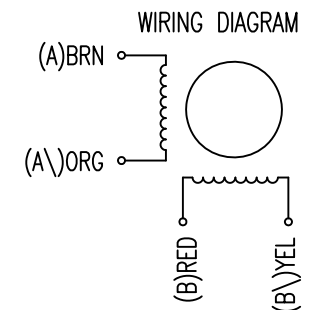


AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
	AXIAL		RADIAL	
SHAFT PLAY (mm)	0.08		0.02	
AT LOAD MAX: (N)	4.5		4.5	

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	WINDING	
1	A —	BRN	A	[Diagram of winding connections]
2	A\ —	ORG	A\	
3	B —	RED	B	[Diagram of winding connections]
4	B\ —	YEL	B\	

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

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	[Diagram of rotation directions]	↑
2	-	+	+	-		
3	-	-	+	+	↓	↑
4	+	-	-	+		



REV	DESCRIPTION	DATE	DRN	Nanotec® PLUG & DRIVE			APVD	S.Ha.	26.02.07	STEPPING MOTOR	
2	rework draw/change depth M3	09.02.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	CHKD			DWG.NO	
1	NEW UL NO.	18.06.12	J.W.				DRN	J.W.	30.11.06	ST4118M1404-A	
							SIGNATURE	DATE			