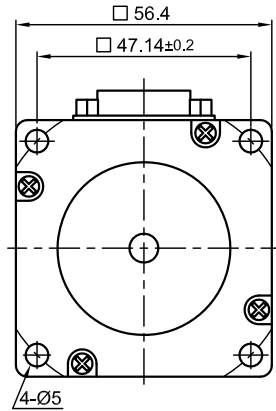
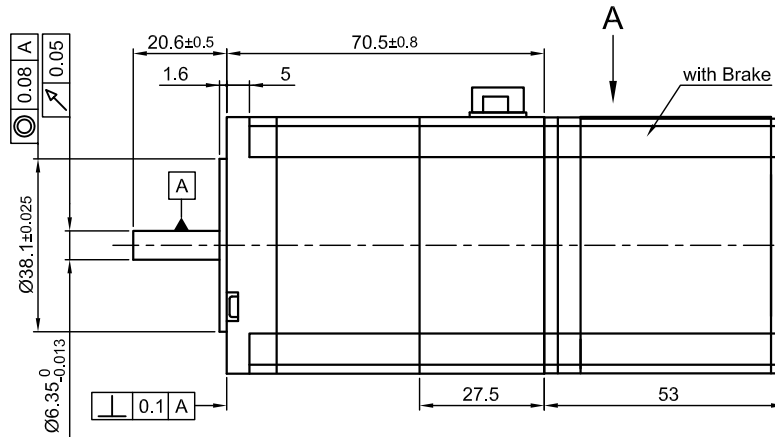


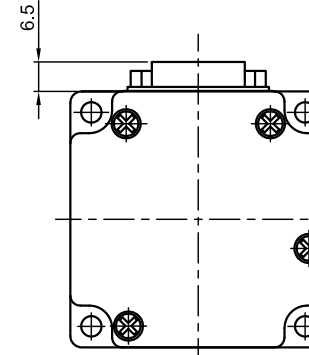
Front view and mounting



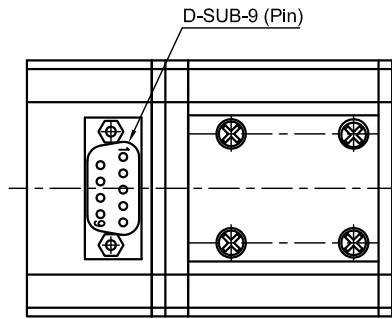
Side view



Rear view



Top view A



SPECIFICATION	CONNECTION	BIPOLAR PARALLEL	PERMISSIBLE RADIAL+AXIAL FORCE				WIRING DIAGRAM		MOTOR D-SUB-9																																						
VOLTAGE (VDC)		0.96	ROTOR SPRING-MOUNTED IN AXIAL DIRECTION				A BN		PIN	ASSIGNMENT																																					
AMPS/PHASE		6.4					A \ OG		1	A																																					
RESISTANCE/PHASE (Ohms)@25°C		0.15±10%	AXIAL-FORCE Fa (N)				B RD B \ YE		2	A \																																					
INDUCTANCE/PHASE (mH) @1KHz		0.5±20%	<table border="1"> <tr> <td></td> <td>Fa=15</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DISTANCE a (mm)</td> <td>5</td> <td>10</td> <td>15</td> <td>20</td> </tr> </table>					Fa=15				DISTANCE a (mm)	5	10	15	20	<table border="1"> <tr> <td>STEP</td> <td>A</td> <td>B</td> <td>A \</td> <td>B \</td> <td></td> </tr> <tr> <td>1</td> <td>+</td> <td>+</td> <td>-</td> <td>-</td> <td rowspan="4">CCW ↓ ↑ CW</td> </tr> <tr> <td>2</td> <td>-</td> <td>+</td> <td>+</td> <td>-</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>+</td> <td>+</td> </tr> <tr> <td>4</td> <td>+</td> <td>-</td> <td>-</td> <td>+</td> </tr> </table>		STEP	A	B	A \	B \		1	+	+	-	-	CCW ↓ ↑ CW	2	-	+	+	-	3	-	-	+	+	4	+	-	-	+	3	B
	Fa=15																																														
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1	+	+	-	-	CCW ↓ ↑ CW																																										
2	-	+	+	-																																											
3	-	-	+	+																																											
4	+	-	-	+																																											
HOLDING TORQUE (Nm) [lb-in]		1.05 [9.29]	RADIAL-FORCE Fr (N)						4	B \																																					
DETENT TORQUE (Nm) [lb-in]		0.04 [0.354]	SHAFT PLAY (mm)						5	NC																																					
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)	AT LOAD MAX: (N)						6	NC																																					
BACK-EMF (V) (300 U/min)		3.6 3.0x10 ⁻⁵ [0.102]	AXIAL						7	BRAKE																																					
ROTOR INERTIA (Kg-m ²) [lb-in ²]		3.0x10 ⁻⁵ [0.102]	RADIAL						8	BRAKE/GND																																					
WEIGHT (Kg) [lb]		1.09 [2.4]							9	NC																																					
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)									HOUSING	GND/SHIELDING																																					
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)																																															

2	WIRING DIAGRAM	12.06.07	J.W.		SCALE FREE	APVD	<i>S.Ha.</i>	23.01.07	STEPPING MOTOR
1	WEIGHT+ROTOR INERTIA	04.06.07	J.W.		X ±0.5	CHKD			
REV	DESCRIPTION	DATE	APVD		1PL ±0.2	DRN	<i>J.W.</i>	23.01.07	
				2PL ±0.1	SIGNATURE		DATE		
				ANGLE ±30'					