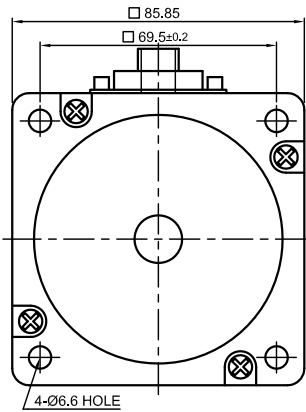
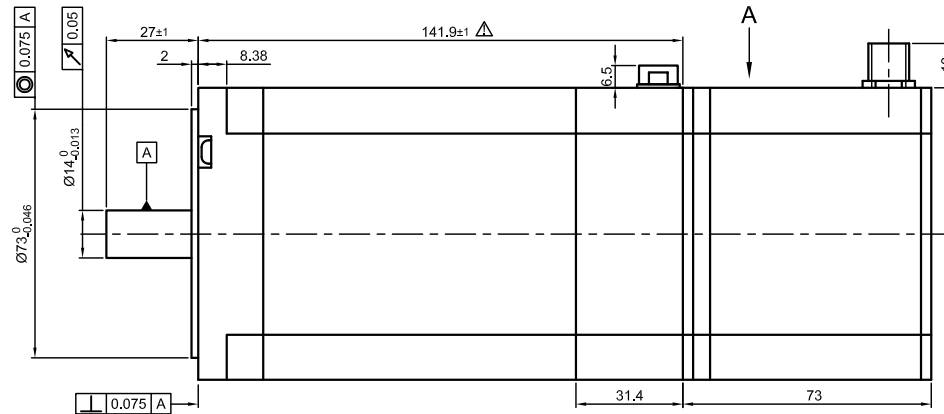


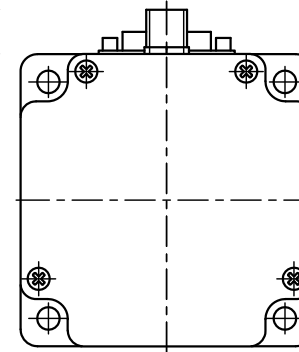
Front view and mounting



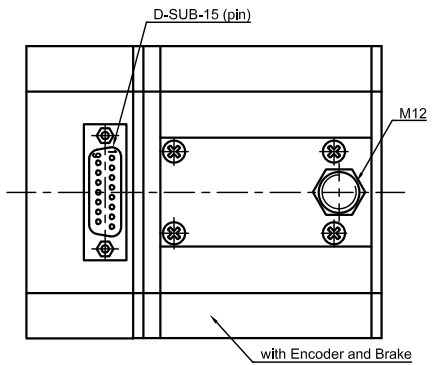
Side view



Rear view



Top view A



SPECIFICATION		CONNECTION	BIPOLAR PARALLEL	WIRING DIAGRAM	PERMISSIBLE RADIAL+AXIAL FORCE	ENCODER M12	CABLE	MOTOR D-SUB-15																																																															
VOLTAGE (VDC)		2.18				<table border="1"> <thead> <tr> <th>PIN</th> <th>ASSIGNMENT</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>1</td><td>A</td><td>WH</td></tr> <tr><td>2</td><td>A\</td><td>BN</td></tr> <tr><td>3</td><td>B</td><td>GN</td></tr> <tr><td>4</td><td>B\</td><td>YE</td></tr> <tr><td>5</td><td>GND 0V</td><td>GY</td></tr> <tr><td>6</td><td>I</td><td>PK</td></tr> <tr><td>7</td><td>\</td><td>BU</td></tr> <tr><td>8</td><td>Vcc +5V</td><td>RD</td></tr> <tr><td>HOUSING</td><td>GND/SHIELDING</td><td></td></tr> </tbody> </table>	PIN	ASSIGNMENT	COLOR	1	A	WH	2	A\	BN	3	B	GN	4	B\	YE	5	GND 0V	GY	6	I	PK	7	\	BU	8	Vcc +5V	RD	HOUSING	GND/SHIELDING		<table border="1"> <thead> <tr> <th>PIN</th> <th>ASSIGNMENT</th> </tr> </thead> <tbody> <tr><td>1</td><td>A</td></tr> <tr><td>2</td><td>A</td></tr> <tr><td>3</td><td>A\</td></tr> <tr><td>4</td><td>A\</td></tr> <tr><td>5</td><td>B</td></tr> <tr><td>6</td><td>B</td></tr> <tr><td>7</td><td>B\</td></tr> <tr><td>8</td><td>B\</td></tr> <tr><td>9</td><td>NC</td></tr> <tr><td>10</td><td>NC</td></tr> <tr><td>11</td><td>BRAKE</td></tr> <tr><td>12</td><td>BRAKE/GND</td></tr> <tr><td>13</td><td>NC</td></tr> <tr><td>14</td><td>NC</td></tr> <tr><td>15</td><td>NC</td></tr> <tr><td>HOUSING</td><td>GND/SHIELDING</td></tr> </tbody> </table>	PIN	ASSIGNMENT	1	A	2	A	3	A\	4	A\	5	B	6	B	7	B\	8	B\	9	NC	10	NC	11	BRAKE	12	BRAKE/GND	13	NC	14	NC	15	NC	HOUSING	GND/SHIELDING
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AMPS/PHASE		9.5																																																																					
RESISTANCE/PHASE (Ohms)@25°C		0.23±15%																																																																					
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%																																																																					
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]																																																																					
DETENT TORQUE (Nm) [lb-in]		0.11 [0.9735]																																																																					
STEP ANGLE (°) ± ACCURACY		1.8 ± 5% (NON-ACCUM)																																																																					
BACK-EMF (V) (300 U/min.)		23.15																																																																					
ROTOR INERTIA (Kg-m²) [lb-in²]		3.07x10 ⁻⁴ [1.049]																																																																					
WEIGHT (Kg) [lb]		5.0 [11.02]																																																																					
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				AXIAL-FORCE Fa (N)	Fa=65																																																																		
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)	535 355 256 200																																																																		
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																																																																	
3	COLOR OF CABLE	13.07.09	J.W.		SCALE FREE	APVD	S.R.	18.04.07	STEPPING MOTOR DWG.NO AD8918L9504-EB																																																														
2	PIN N RENAME AS I	24.09.07	J.W.		X ±0.5	CHKD																																																																	
1	WEIGHT+ROTOR INERTIA	04.06.07	J.W.		1PL ±0.2	DRN	J.W.	18.04.07																																																															
REV	DESCRIPTION	DATE	APVD		2PL ±0.1	SIGNATURE		DATE																																																															
				ANGLE ±30'																																																																			

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

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑