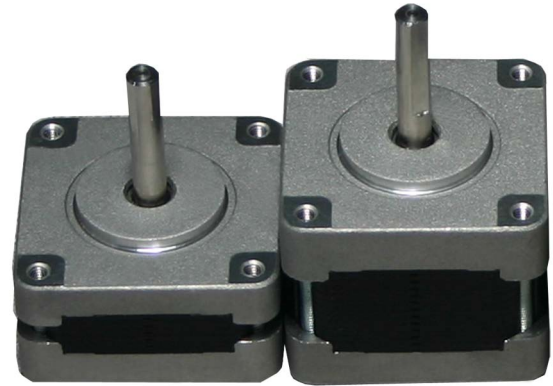


2S39A Series - High Torque Stepper Motors

Kinco

FEATURES

- 39mm Frame Size
- 1.8° Step Angle
- High Torque - Up To 0.28 Nm
- High Step Accuracy and Resolution
- Low Vibration and Noise
- Shaft Flat as Standard
- Can be Customized for
 - Winding Current
 - Shaft Options
 - Cables and Connectors
 - Encoders and Brakes
- CE Certified and RoHS Compliant



DESCRIPTION

The 2S39A Series High Torque Stepper Motors offer a great value without sacrificing quality. These motors were designed to offer the highest possible torque while minimizing vibration and audible noise. A broad line of motor windings and stack lengths are available off-the-shelf, or the motors can be customized to fit your machine requirements. These motors come standard with 4 leads for wiring in bipolar series. We can also customize the winding to perfectly match your voltage, current, and maximum operating speed. Other leadwire configurations are available upon request.

SPECIFICATIONS

Model #	Frame Size (mm)	Bipolar Torque (Nm)	Bipolar Current (A)	Bipolar Voltage (V)	Bipolar Resistance (ohms)	Bipolar Inductance (mH)	Rotor Inertia (g-cm ²)	Shaft Diameter (mm)	# Lead Wires	Weight (kg)	"L" Length (mm)
2S39A-034-007-4X	39	0.17	0.65	4.6	7	9.3	20	5	4	0.18	34
2S39A-038-007-4X	39	0.28	1.10	4.4	12	23	24	5	4	0.20	38

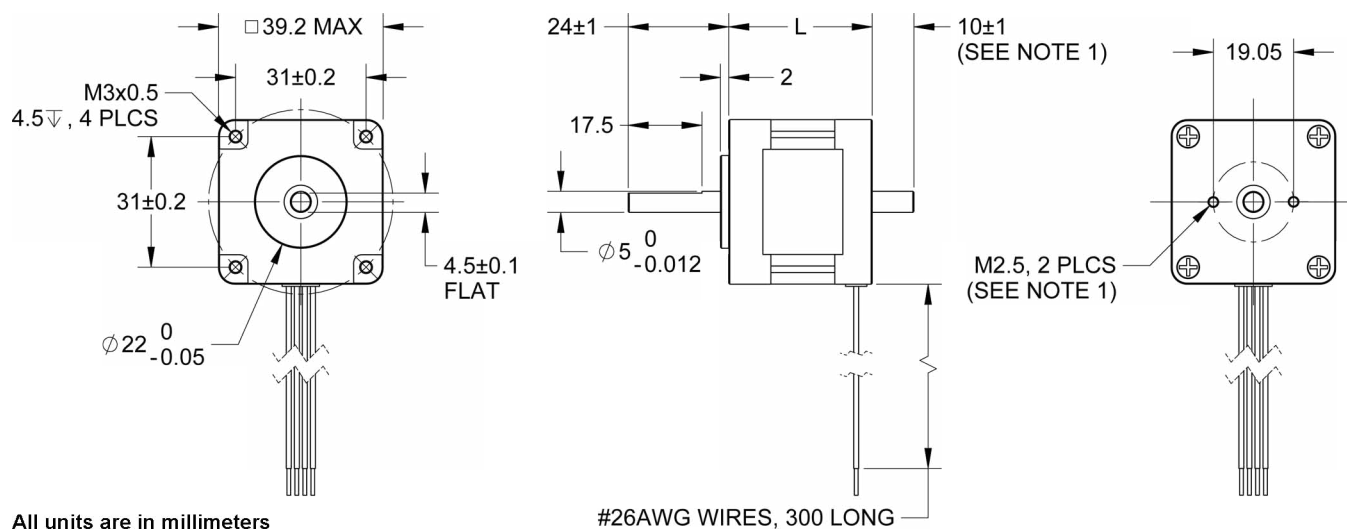
Notes: The 16th character "X" denotes a single or dual shaft. Use "S" for single shaft, or "D" for dual shaft. Dual shafts include encoder mounting provisions. Custom leadwires, cables, connectors, and windings are available upon request.

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2S39A Series - High Torque Stepper Motors

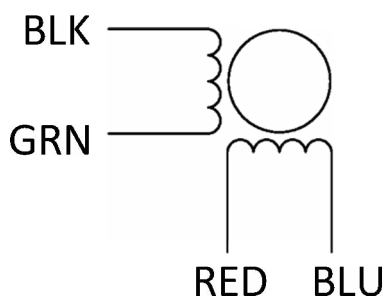
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DIMENSIONS



Note 1: Applies to dual shaft option only

WIRING INFORMATION



Connection	Lead Wire Connection	Lead Wire Color
4-Lead Bipolar Series MBC Series	Phase 1 (A) Phase 3 (/A) Phase 2 (B) Phase 4 (/B)	Black Green Red Blue

SPECIFICATIONS

Step Angle Accuracy:	$\pm 5\%$ (Full Step, No Load)	Insulation Resistance:	100M Ohm Min, 500VDC
Inductance Accuracy:	$\pm 20\%$	Shaft Radial Play:	0.02mm Max (450g-load)
Temperature Rise:	80° C Max (2 Phases On)	Shaft Axial Play:	0.08mm Max (450g-load)
Ambient Temperature:	-20° to +50°C	Max Radial Force:	28N (20mm from flange)
Insulation Type:	Class B	Max Axial Force:	11N

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