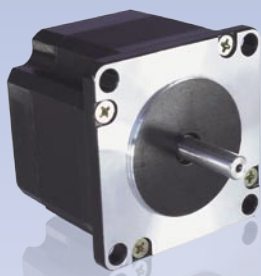


5709



- High Torque
- High Step Accuracy
- High Resolution
- Custom Windings Available (No Additional Cost)

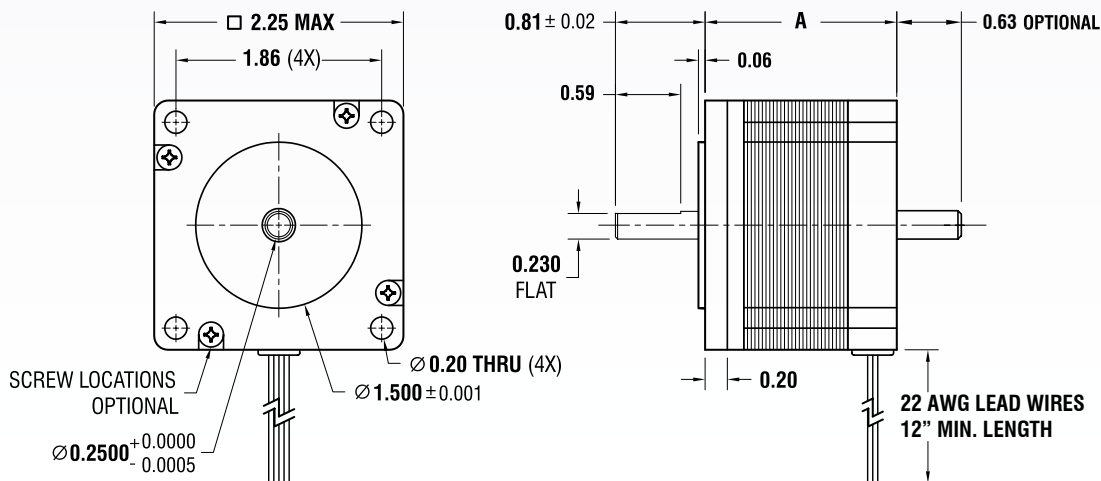
SPECIFICATIONS

BIPOLAR	Dimension "A" Max	Model #	Amps/Phase	Torque oz-in	Torque N-m	Resistance Ohm/Phase	Inductance mH/Phase	Inertia oz-in ²	Weight Lbs.	Number of Leads
1.74" 44.2 mm		5709X-01S	1.40	98.0	0.69	3.0	6.0	0.70	1.05	4
		5709X-01P	2.80	98.0	0.69	0.8	1.5	0.70	1.05	4
		5709X-15S	2.10	98.0	0.69	1.2	2.3	0.70	1.05	4
		5709X-15P	4.20	98.0	0.69	0.3	0.6	0.70	1.05	4
2.20" 55.9 mm		5709M-02S	2.10	175.0	1.24	1.6	5.8	1.50	1.50	4
		5709M-02P	4.20	175.0	1.24	0.4	1.5	1.50	1.50	4
		5709M-05S	1.40	175.0	1.24	3.8	13.1	1.50	1.50	4
		5709M-05P	2.80	175.0	1.24	0.9	3.3	1.50	1.50	4
3.08" 78.2 mm		5709L-01S	1.40	263.0	1.86	4.5	15.1	2.60	2.20	4
		5709L-01P	2.80	263.0	1.86	1.1	3.8	2.60	2.20	4
		5709L-04S	3.30	263.0	1.86	0.8	2.5	2.60	2.20	4
		5709L-04P	6.60	263.0	1.86	0.2	0.6	2.60	2.20	4

UNIPOLAR	Dimension "A" Max	Model #	Amps/Phase	Torque oz-in	Torque N-m	Resistance Ohm/Phase	Inductance mH/Phase	Inertia oz-in ²	Weight Lbs.	Number of Leads
1.74" 44.2 mm		5709X-01	2.00	70.0	0.49	1.5	1.5	0.70	1.05	6
		5709X-15	3.00	70.0	0.49	0.6	0.6	0.70	1.05	6
2.20" 55.9 mm		5709M-02	3.00	125.0	0.88	0.8	1.5	1.50	1.50	6
		5709M-05	2.00	125.0	0.88	1.8	2.5	1.50	1.50	6
3.08" 78.2 mm		5709L-01	2.00	188.0	1.33	2.3	3.8	2.60	2.20	6
		5709L-04	4.67	188.0	1.33	0.4	0.6	2.60	2.20	6

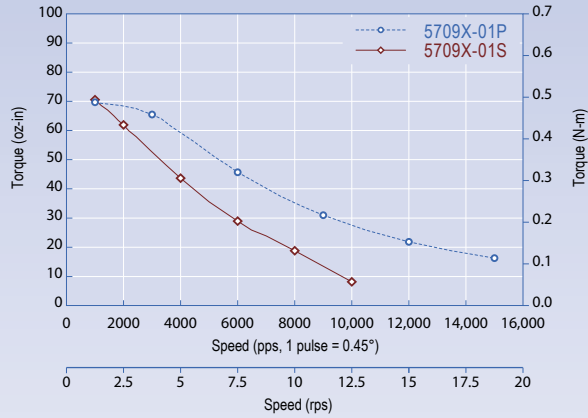
- Please complete our application data sheet for different windings.
- Power supply voltage can be any value as long as the driver output current is controlled at the rated current.
- Call Lin Engineering for additional bipolar torque curves.
- Performance, use, and appearance specifications of the products listed here are subject to change without notice.
- For operating temperatures, see page 94.

DIMENSIONS (inches)

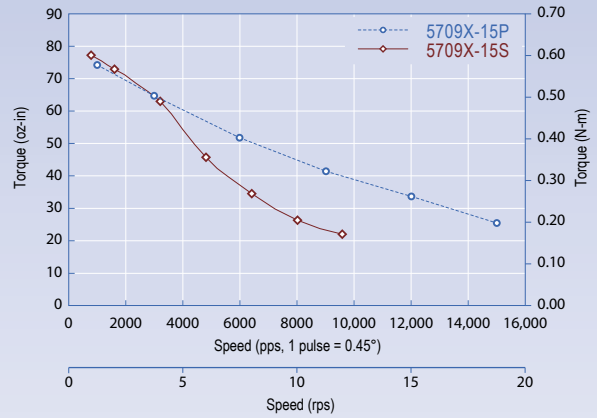


TORQUE CURVES

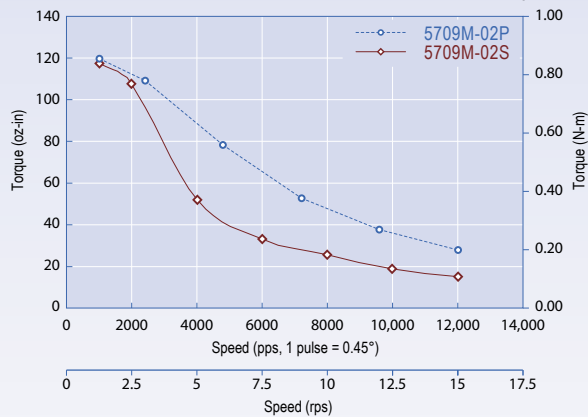
5709X-01S 24vDC, 1.4 Amps/Phase, Bipolar Series, 1/2 Stepping
5709X-01P 24vDC, 2.8 Amps/Phase, Bipolar Parallel, 1/2 Stepping



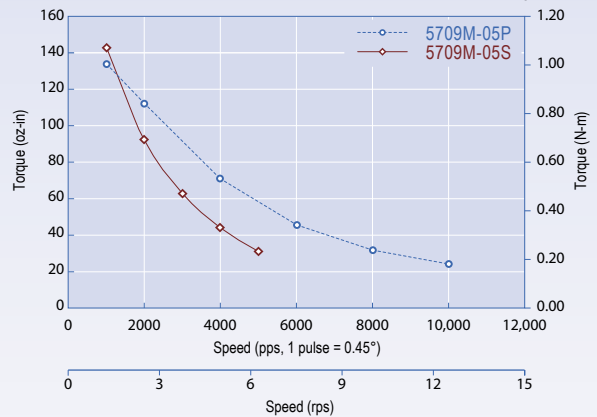
5709X-15S 24vDC, 2.1 Amps/Phase, Bipolar Series, 1/2 Stepping
5709X-15P 24vDC, 4.2 Amps/Phase, Bipolar Parallel, 1/2 Stepping



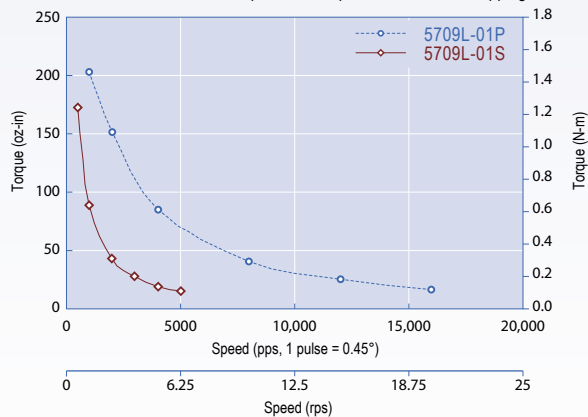
5709M-02S 24vDC, 2.1 Amps/Phase, Bipolar Series, 1/2 Stepping
5709M-02P 24vDC, 4.2 Amps/Phase, Bipolar Parallel, 1/2 Stepping



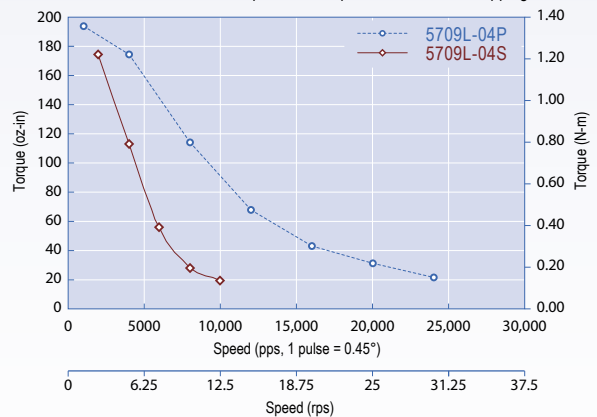
5709M-05S 24vDC, 1.4 Amps/Phase, Bipolar Series, 1/2 Stepping
5709M-05P 24vDC, 2.8 Amps/Phase, Bipolar Parallel, 1/2 Stepping



5709L-01S 24vDC, 1.4 Amps/Phase, Bipolar Series, 1/2 Stepping
5709L-01P 24vDC, 2.8 Amps/Phase, Bipolar Parallel, 1/2 Stepping



5709L-04S 24vDC, 3.3 Amps/Phase, Bipolar Series, 1/2 Stepping
5709L-04P 24vDC, 6.6 Amps/Phase, Bipolar Parallel, 1/2 Stepping



DID YOU KNOW...

Lin Engineering's real business is to provide solutions for motion control applications.

0.9°
SIZE 23

INTEGRATED
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DESIGNS

ACCESSORIES

RMS
TECHNOLOGIES

TRINAMIC