

14HK SERIES 0.9°

Encapsulated Stepping Motor

Key Features

- 35% More Torque
- Quieter & Smoother
- Longer Life



General Specifications

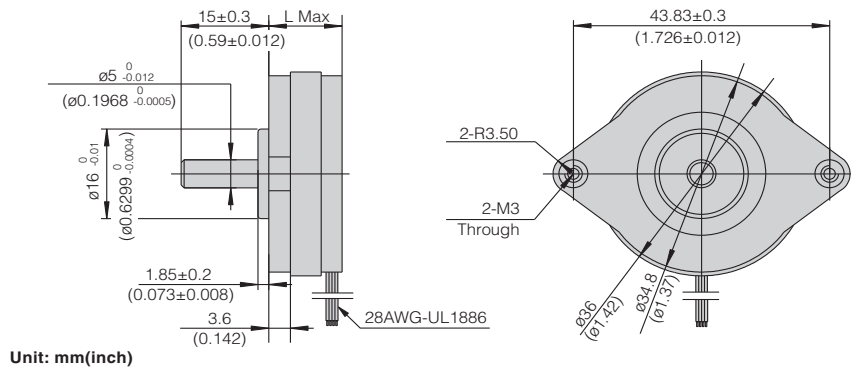
- Bi-polar

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per Phase	Inductance per Phase	Detent Torque		Rotor Inertia	
		mNm	oz-in	A	ohm	mH	mNm	oz-in	g.cm ²	oz-in ²
14HK0 12.8 mm (0.50 in.)	14HK0402N	40	5.64	0.3	12	8	2	0.28	4	0.022
14HK2 20.2 mm (0.80 in.)	14HK2401N	100	14.1	0.45	8.4	7.3	5	0.71	11	0.060

- Wiring Connection, Lead Wires, Schematic Diagrams & Stepping Sequence.....Page 62 - 64

Mechanical Dimension

Series	L	Mass
	mm (in.)	kg (lb.)
14HK0	12.8 (0.50)	0.06 (0.13)
14HK2	20.2 (0.80)	0.11 (0.24)

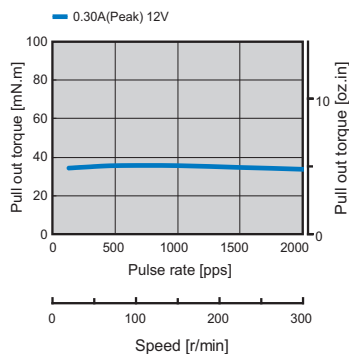


Dynamic Torque Curves

- Bi-polar

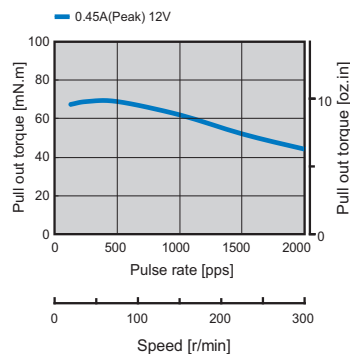
14HK0402N

Conditions:Bi-polar Constant Current Driver
Driver: AMA MS3540M
Mode:Full Step



14HK2401N

Conditions:Bi-polar Constant Current Driver
Driver: AMA MS3540M
Mode:Full Step



Why
Stepping
Motor

encapsulated
2 phase
NEMA 14

encapsulated
3 phase
NEMA 14
NEMA 17

new release
2 phase
NEMA 8

new release
2 phase
NEMA 14

new release
2 phase
NEMA 16

2 phase
NEMA 10
25.0 mm
(1.00 inch)

2 phase
NEMA 11
28.0 mm
(1.10 inch)

2 phase
NEMA 14
35.0 mm
(1.38 inch)

2 phase
NEMA 16
39.0 mm
(1.53 inch)

2 phase
NEMA 17
42.0 mm
(1.65 inch)

2 phase
NEMA 23
56.0 mm
(2.22 inch)

2 phase
NEMA 24
60.0 mm
(2.36 inch)

2 phase
NEMA 34
86.0 mm
(3.39 inch)

3 phase
NEMA 24
60.0 mm
(2.36 inch)

3 phase
NEMA 34
86.0 mm
(3.39 inch)

how
to
select