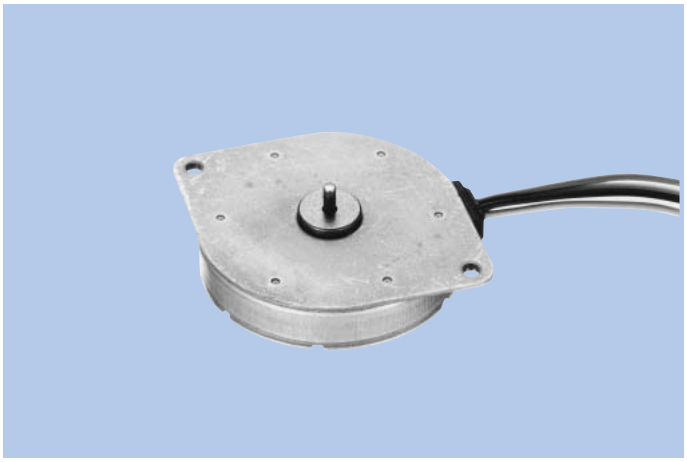
Stepping Motors
M42SP-14NK

OUTLINE

M42SP-14NK has step angle 1.875°, with holding high response pull-out torque of 9.4mN·m/7000pps. It also realizes superior running noiselessness, and is ideal for use in the small electronic equipment of the future.



FEATURES

1. High response, and high resolution.
2. Superior running quietness and stability.
3. Step angle : 1.875°/step.
4. Excellent responsiveness acquired.

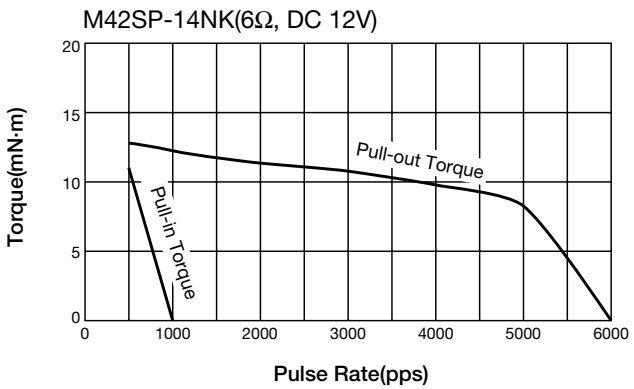
USES

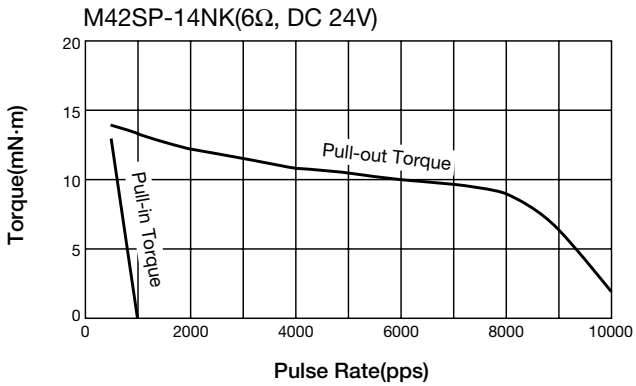
Multifunction machines, scanners, and such.

SPECIFICATIONS

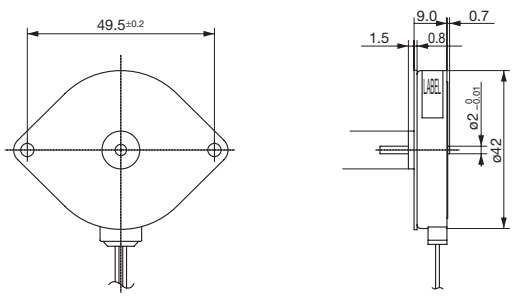
Items	M42SP-14NK	
Rated Voltage	DC 12V	DC 24V
Working Voltage	DC 10.8~13.2V	DC 21.6~26.4V
Rated Current/Phase	400mA(PEAK)	400mA(PEAK)
No. of Phase	2 Phase	2 Phase
Coil DC Resistance	6Ω/phase±7%	6Ω/phase±7%
Step Angle	1.875˚/step	1.875˚/step
Excitation Method	2-2 Phase excitation(Bipolar driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	16.7mN·m	19.6mN·m
Pull-out Torque	10.6mN·m/3000pps	9.4mN·m/7000pps
Pull-in Torque	10.8mN·m/500pps	12.6mN·m/500pps
Max. Pull-out Pulse Rate	5750pps	10350pps
Max. Pull-in Pulse Rate	900pps	960pps

CHARACTERISTICS





DIMENSIONS



Unit : mm, General tolerance : ±0.5