Stepping Motors
M42SP-11NK

OUTLINE

M42SP-11NK, which has the thinnest body among the model series with ø42 diameter, realizes step angle of 3.75°, high resolution and high speed responsiveness.
It is ideal for use in the small electronic equipment of the future.

FEATURES

1. Thin, high resolution, high output torque.
2. Superior running quietness and stability.
3. Step angle : 3.75°/step.
4. Excellent responsiveness acquired.

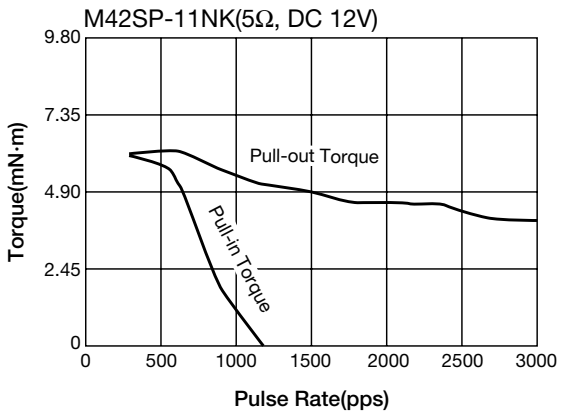
USES

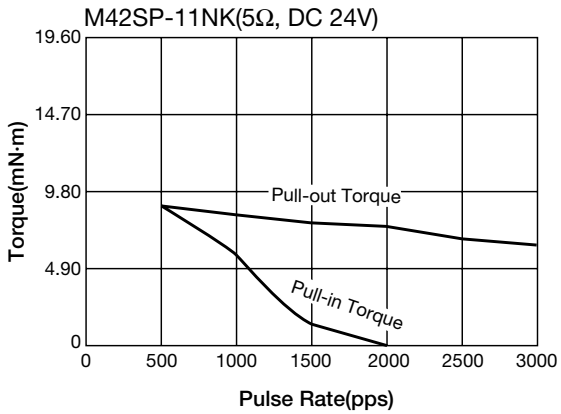
Multifunction machines, scanners, and such.

SPECIFICATIONS

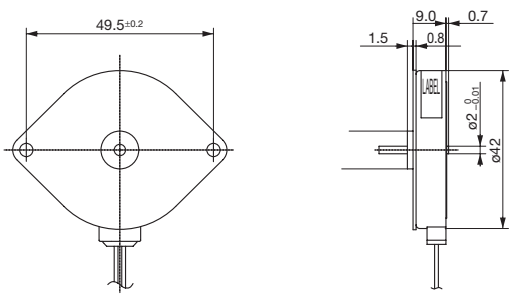
Items	M42SP-11NK	
Rated Voltage	DC 12V	DC 24V
Working Voltage	DC 10.8~13.2V	DC 21.6~26.4V
Rated Current/Phase	200mA(PEAK)	300mA(PEAK)
No. of Phase	2 Phase	2 Phase
Coil DC Resistance	5Ω/phase±7%	5Ω/phase±7%
Step Angle	3.75˚/step	3.75˚/step
Excitation Method	2-2 Phase excitation(Bipolar driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	10.4mN·m	13.3mN·m
Pull-out Torque	4.6mN·m/2000pps	6.5mN·m/3000pps
Pull-in Torque	6.0mN·m/300pps	8.7mN·m/500pps
Max. Pull-out Pulse Rate	5700pps	12000pps
Max. Pull-in Pulse Rate	950pps	1650pps

CHARACTERISTICS





DIMENSIONS



Unit : mm, General tolerance : ±0.5