Stepping Motors M42SP-6NK

Stepping Motors

OUTLINE

"M42SP-6NK" has acquired the highest response among the outer diameter 42mm model series-holding torque: 41.2mN·m, pull-out torque: 21.6mN·m/800pps, and pull-in torque: 25.5mN·m/200pps (12V DC). With superior running noiselessness and other features, this model motor is the most suited to future, compact electronic equipment.



FEATURES

- 1. High response.
- 2. High output torque.
- 3. Superior running quietness and stability.
- 4. Step angle: 7.5°.

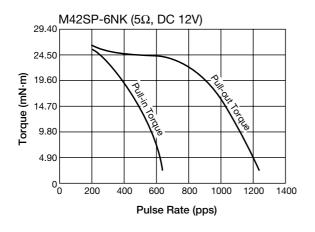
USES

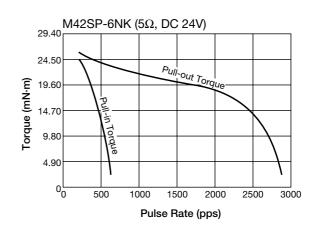
Printers, typewriters, word processors, facsimiles, copy machines and such.

SPECIFICATIONS

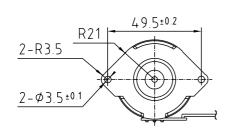
Items	M42SP-6NK	
Rated Voltage	DC 12V	DC 24V
Working Voltage	DC 10.8~13.2V	DC 21.6~26.4V
Rated Current/Phase	400mA (PEAK)	400mA (PEAK)
No. of Phase	2 Phase	2 Phase
Coil DC Resistance	5Ω/phase±7%	5Ω/phase±7%
Step Angle	7.5°/step	7.5°/step
Excitation Method	2-2 Phase excitation (Bipolar chopping driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	41.2mN⋅m	41.2mN·m
Pull-out Torque	21.6mN·m/800pps	17.6mN·m/2000pps
Pull-in Torque	25.5mN·m/200pps	22.5mN·m/200pps
Max. Pull-out Pulse Rate	1200pps	2900pps
Max. Pull-in Pulse Rate	640pps	640pps

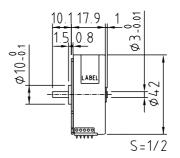
CHARACTERISTICS





DIMENSIONS





Unit : mm, General tolerance : ± 0.5