

# Stepping Motors

## M42SP-5

### OUTLINE

"M42SP-5" has acquired the highest output torque among the outer diameter 42mm model series-holding torque : 78.4mN·m, pull-out torque : 27.6mN·m/200pps, and pull-in torque : 26.5mN·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 output torque.
2. Superior running quietness and stability.
3. Step angle : 7.5°.
4. Excellent responsiveness acquired.

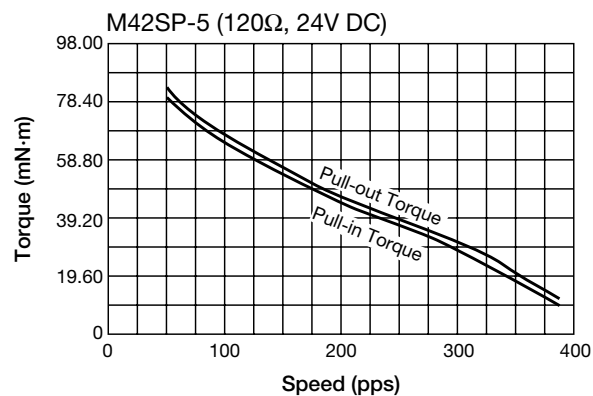
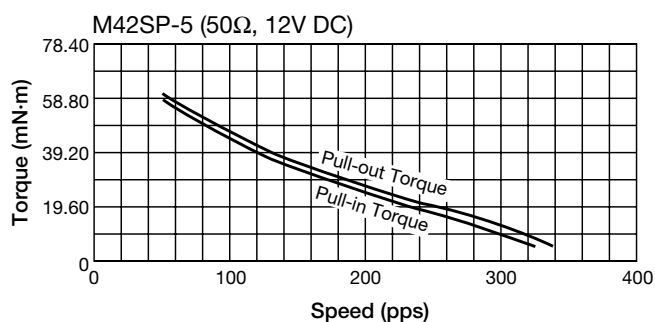
### USES

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

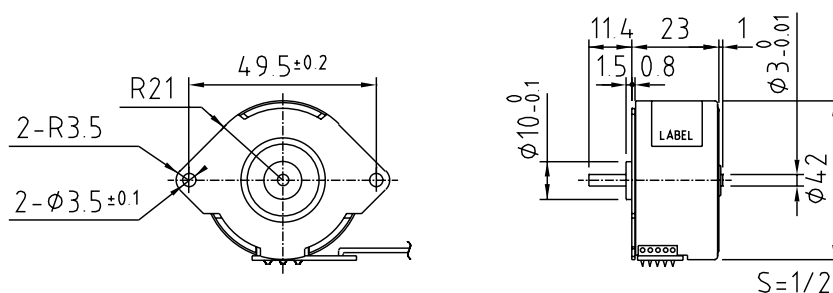
## SPECIFICATIONS

Items	M42SP-5	
	DC 12V	DC 24V
Rated Voltage	DC 12V	DC 24V
Working Voltage	DC 10.8~13.2V	DC 21.6~26.4V
Rated Current/Phase	259mA	216mA
No. of Phase	4 Phase	4 Phase
Coil DC Resistance	50Ω/phase±7%	120Ω/phase±7%
Step Angle	7.5°/step	7.5°/step
Excitation Method	2-2 Phase excitation (Unipolar driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	78.4mN·m	94.1mN·m
Pull-out Torque	27.6mN·m/200pps	46.1mN·m/200pps
Pull-in Torque	26.5mN·m/200pps	45.6mN·m/200pps
Max. Pull-out Pulse Rate	375pps	445pps
Max. Pull-in Pulse Rate	365pps	435pps

## CHARACTERISTICS



## DIMENSIONS



Unit : mm, General tolerance : ±0.5