

Stepping Motors

M15SP-1N

OUTLINE

This model was developed in response to the demand for smaller size. Use of Mitsumi's magnetic circuit technology, developed over many years, means that it is responsive to a wide range, from low to high.

Also, the integral molding of the stator and coil bobbin realizes greater stability, making it ideal for use in a variety of small equipment.



FEATURES

1. Compact size and light weight and high output torque.
2. Superior running quietness and.
3. Step angle: 18°.
4. Excellent responsiveness acquired.

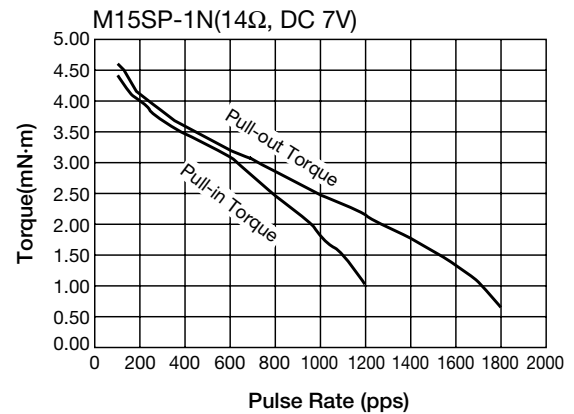
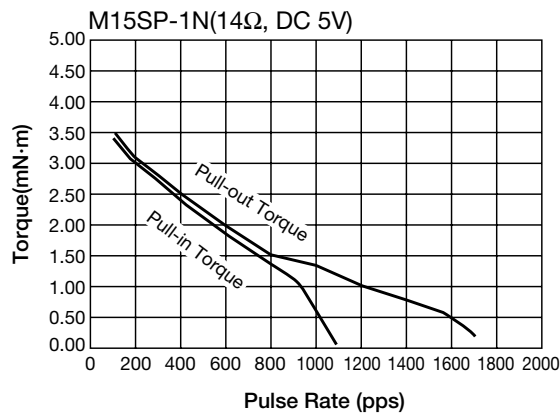
USES

1. Feeding of and printing on small printer paper.
2. Drive for all types of small equipment.

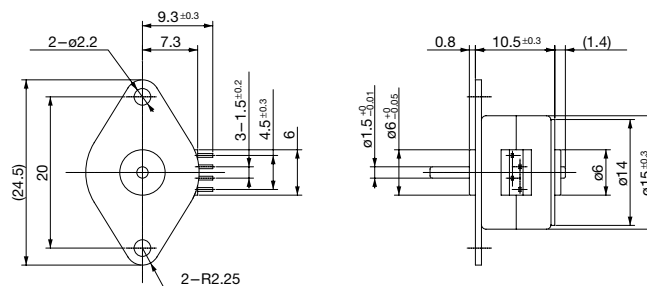
SPECIFICATIONS

Items	M15SP-1N	
Rated Voltage	DC 5V	DC 7V
Working Voltage	DC 4.5~5.5V	DC 6.5~7.5V
Rated Current/Phase	357mA	500mA
No. of Phase	2 Phase	2 Phase
Coil DC Resistance	14Ω/phase±7%	14Ω/phase±7%
Step Angle	18°/step	18°/step
Excitation Method	2-2 Phase excitation(Bipolar driving)	
Insulation Class	Class E insulation	Class E insulation
Holding Torque	4mN·m	5mN·m
Pull-out Torque	2.25mN·m/500pps	3.35mN·m/500pps
Pull-in Torque	15mN·m/500pps	3.25mN·m/500pps
Max. Pull-out Pulse Rate	1100pps	1,300pps
Max. Pull-in Pulse Rate	1700pps	1900pps

CHARACTERISTICS



DIMENSIONS



Unit : mm, General tolerance : ±0.5