Stepping Motors

M42SP-5, -5K

Stepping Motors

OUTLINE

"M42SP-5" realizes the highest output torque in ϕ 42 series.

"M42SP-5K" realizes high resolution and high response.

Choose the model to match your product.



FEATURES

- 1. High-output torque (M42SP-5), quick response (M42SP-5K).
- 2. Superior running quietness and stability.

USES

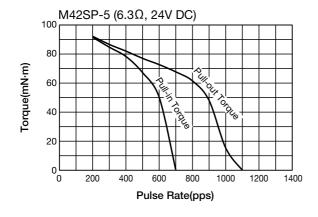
Printers, multifunction machines, copy machines, FAX, etc.

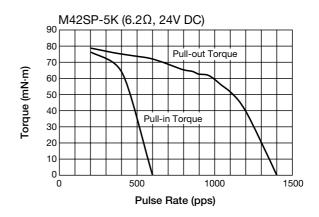
Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.
The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.

SPECIFICATIONS

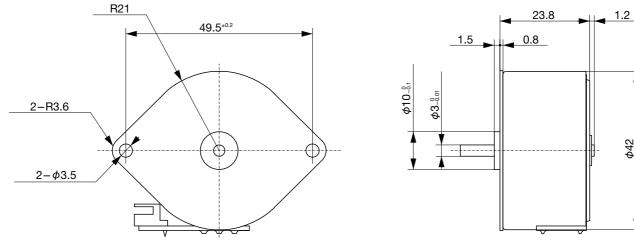
Item	M42SP-5	M42SP-5K
Rated Voltage	DC 24V	
Working Voltage	DC 21.6~26.4V	
Rated Current/Phase	800mA(PEAK)	850mA(PEAK)
No. of Phase	4 Phase	
Coil DC Resistance	6.3Ω/phase±10%	$6.2\Omega/\mathrm{phase}\pm10\%$
Step Angle	7.5°/step	
Excitation Method	2-2 Phase excitation (Bipolar driving)	2-2 Phase excitation (Bipolar driving)
Insulation Class	Class E insulation	
Holding Torque	109.8mN·m	85.0mN·m
Pull-out Torque	72.7mN·m/600pps	65.0mN·m/800pps
Pull-in Torque	91.5mN·m/200pps	76.0mN·m/200pps
Max. Pull-out Pulse Rate	1050pps	1,380pps
Max. Pull-in Pulse Rate	630pps	600pps

CHARACTERISTICS





DIMENSIONS



Unit : mm, General tolerance : ± 0.5

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