

STEPPING MOTORS

SP27

FEATURES

- Compact & high torque type
- RoHS compliant

APPLICATIONS

- Game machines
- Printers



PART NUMBER DESIGNATION

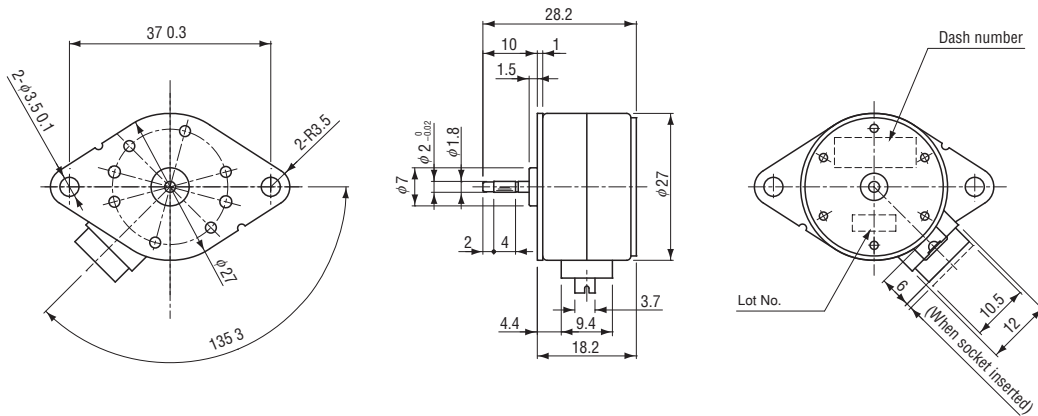
SP27 - 2003

Series name

Dash number

OUTLINE DIMENSIONS

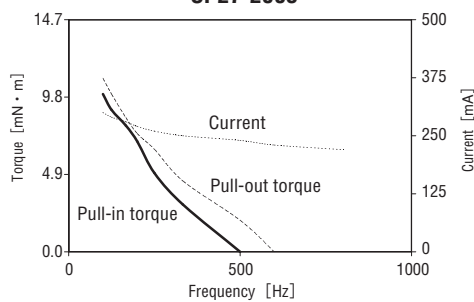
Unless otherwise specified tolerance: ± 0.5 (Unit: mm)



FREQUENCY PERFORMANCE CURVES

12V-2phases-EX.

SP27-2003



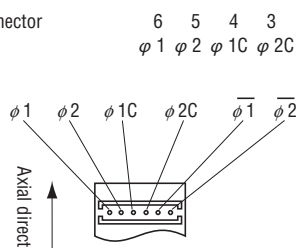
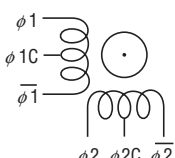
※ These performance curves show actual value, not guaranteed value.

Lot production is required. Please consult us for ordering.

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REFERENCE SPECIFICATIONS

Item	SP27-2003	Remarks
Number of phases	4	※1
Number of poles	12	—
Excitation	2	—
Step angle	15°	at 2 phases-EX.
Steps	24	at 2 phases-EX.
Winding resistance	60 Ω	± 10 %
Power	Average power consumption 5 W maximum	—
Current/Phase	Refer to PERFORMANCE CURVES	—
Pull-in torque		Reference value
Pull-out torque		
Pull-in pulse rate		
Maximum continuous response frequency		
Rotor inertia		
Temperature rise	30 °C	at 500 pps 2 phases-EX. DC12V
Insulation resistance	30 MΩ minmum	DC500 V
Dielectric strength	AC500 Vrms	50 Hz, 1 min
Operating temperature range	- 10 ~ 50 °C	—
Net weight	Approx. 50 g	—
Connector terminal	<p>Male connector</p> <p>6 5 4 3 2 1 φ 1 φ 2 φ 1C φ 2C φ 1 φ 2</p> <p>Made by J.S.T. Mfg Co., Ltd</p>  	※2

※ The characteristics were measured using DM-412X.

※ Winding resistance 60 Ω is typical value.

※1 Substitutable as two bipolars due to open common terminal pins.

※2 Substitutable as a bipolar by combination of φ1-φ1 and φ2-φ2 or combination of φ1-φ1C and φ2-φ2C.

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