

SPG27

STEPPING MOTORS

FEATURES

- Provided with a compact gearbox
- Has a connector terminal for easy lead connection
- RoHS compliant

APPLICATIONS

- Game machines
- Printers
- Valve actuations



PART NUMBER DESIGNATION

SPG27 - 1601

Series name

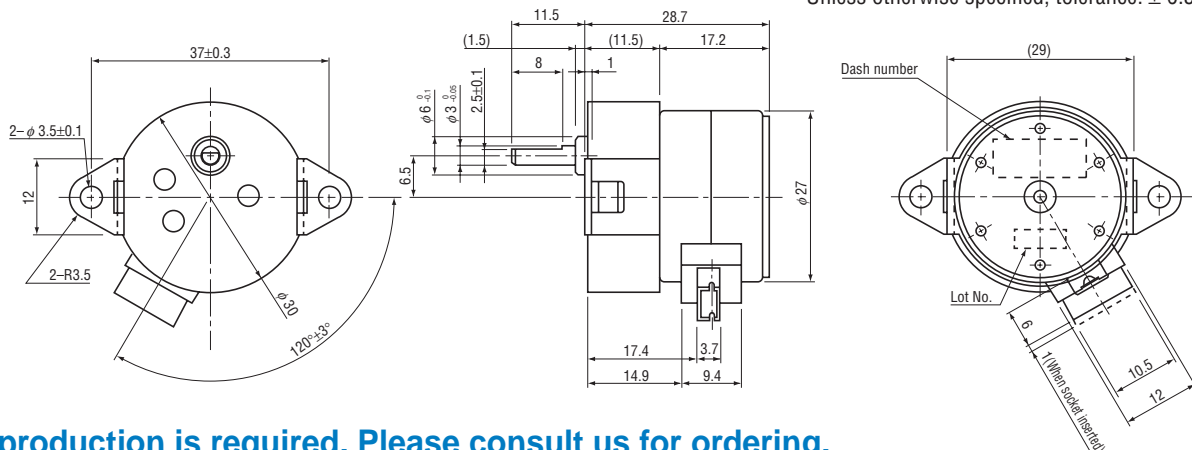
Dash number

LIST OF PART NUMBERS

| Gear ratio | Winding resistance | 30 Ω | 60 Ω |
|------------|--------------------|------|------|
| 1/2.5 | | | 1201 |
| 1/5 | | 1101 | 1601 |
| 1/12 | | | 1701 |

OUTLINE DIMENSIONS (Reference)

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



Lot production is required. Please consult us for ordering.

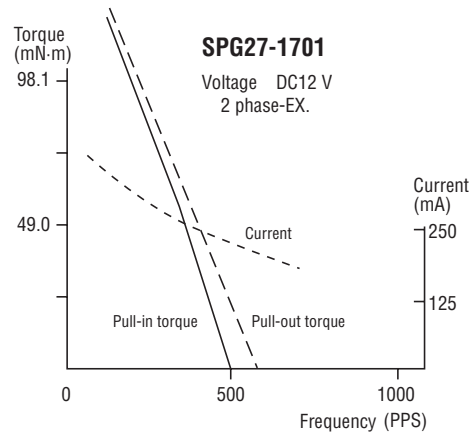
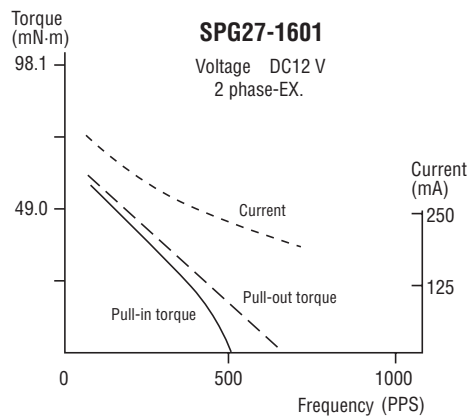
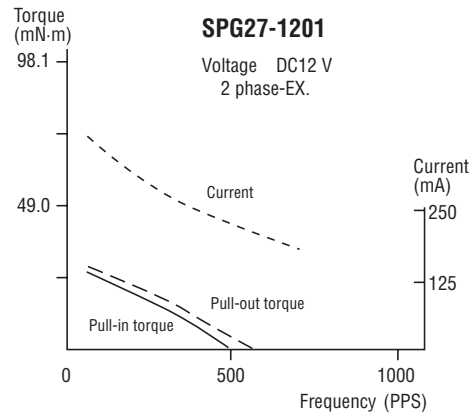
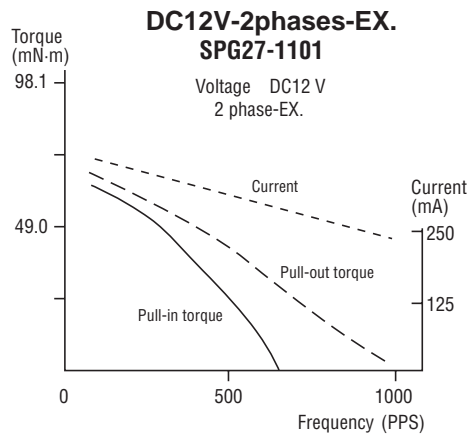
STANDARD SPECIFICATIONS

| Item | SPG27 | | | |
|---|---|---|---|-------|
| | 1101 | 1201 | 1601 | 1701 |
| Number of phases | 2 phase unipolar (can be used as 2 phase bipolar by plugging off common terminals) | | | |
| Gear ratio | 1/5 | 1/2.5 | 1/5 | 1/12 |
| Step angle (2 phases-EX) | 3° | 6° | 3° | 1.25° |
| Steps (2 phases-EX) | 120 | 60 | 120 | 288 |
| Winding resistance | 30 Ω | 60 Ω | | |
| Connector terminal | <p>Male connector 06ZR-8M or ZHR-6 Made by J.S.T. Mtg Co., Ltd</p> <p>6 5 4 3 2 1 φ1 φ2 φ1C φ2C φ1 φ2</p> <p>Can be used as bipolar, combining φ1 - φ1, φ2 - φ2 or φ1 - φ1C, φ2 - φ2C</p> | | | |
| Input power rating : Average power consumption 5 W max. | Current • Pull-in torque • Pull-out torque • Pull-in pulse rate • Max. continuous response frequency : Refer to PERFORMANCE CURVES | | | |
| Temperature rise : Refer to PERFORMANCE CURVES | Insulation resistance : 30 MΩ max. (DC500 V) | | Dielectric strength : 500 Vrms (AC50 Hz, 1 minut) | |
| Operating temperature range : 0 ~ 50 °C | Net weight : approx. 60 g | Axial max. load : Continuous 19.6 mN·m, Momentary 98 mN·m (Reference value) | | |

※ The characteristics were measured using DM-412X.

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PERFORMANCE CURVES (Reference value)



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

TEMPERATURE CHARACTERISTICS

