

VGSM08 Gear Motor with Dual Potentiometers

This gear motor features dual potentiometers for precise control and feedback. It is designed for audio-video applications and includes a mounting bracket and wire harness.



Overview

VGSM08 Series Gear Motor

The VGSM08 series is a precision gear motor assembly designed for demanding audio-video applications requiring accurate control and feedback. Available in multiple configurations (VGSM0843, VGSM0828, and VGSM0866), these motors feature dual potentiometers and robust mounting brackets. Engineered with a 0.3 module gear system and high-precision JIS B 1702 4th grade standards, they ensure reliable performance and precise motion control.

Electrical Specifications

Rated Voltage	3.3 V
Drive Mode	2-2

Performance Metrics

Key Performance Metrics

18 °
Step Angle

1000 pps
Max Self-Start Frequency

Model Comparison

型番	駆動電圧	歯数	出力トルク	回転速度	ステップ角	最大自己起動周波数	最大トルク	最大電流	最大消費電力	寸法	重量
VGSM0843	3.3V	40	50gf-cm	1:80	18°	1000 pps	1000mNm	100mA	330mW	22.5x22.5x22.5	1.5g
VGSM0828	3.3V	16	120gf-cm	1:62.45	16°	1000 pps	1200mNm	120mA	396mW	22.5x22.5x22.5	1.8g
VGSM0866	3.3V	40	80gf-cm	1:80	18°	1000 pps	800mNm	80mA	264mW	22.5x22.5x22.5	1.2g

仕様書番号: Specification

CONNECTION DIAGRAM

MECHANICAL DIMENSIONS

OUTPUT SHAFT ROTATION

MAX. 11

MIN. 20

MAX. 41

MIN. 1.1

MAX. 1.2

MIN. 1.3

MAX. 1.4

MIN. 1.5

MAX. 1.6

MIN. 1.7

MAX. 1.8

MIN. 1.9

MAX. 2.0

MIN. 2.1

MAX. 2.2

MIN. 2.3

MAX. 2.4

MIN. 2.5

MAX. 2.6

MIN. 2.7

MAX. 2.8

MIN. 2.9

MAX. 3.0

MIN. 3.1

MAX. 3.2

MIN. 3.3

MAX. 3.4

MIN. 3.5

MAX. 3.6

MIN. 3.7

MAX. 3.8

MIN. 3.9

MAX. 4.0

MIN. 4.1

MAX. 4.2

MIN. 4.3

MAX. 4.4

MIN. 4.5

MAX. 4.6

MIN. 4.7

MAX. 4.8

MIN. 4.9

MAX. 5.0

MIN. 5.1

MAX. 5.2

MIN. 5.3

MAX. 5.4

MIN. 5.5

MAX. 5.6

MIN. 5.7

MAX. 5.8

MIN. 5.9

MAX. 6.0

MIN. 6.1

MAX. 6.2

MIN. 6.3

MAX. 6.4

MIN. 6.5

MAX. 6.6

MIN. 6.7

MAX. 6.8

MIN. 6.9

MAX. 7.0

MIN. 7.1

MAX. 7.2

MIN. 7.3

MAX. 7.4

MIN. 7.5

MAX. 7.6

MIN. 7.7

MAX. 7.8

MIN. 7.9

MAX. 8.0

MIN. 8.1

MAX. 8.2

MIN. 8.3

MAX. 8.4

MIN. 8.5

MAX. 8.6

MIN. 8.7

MAX. 8.8

MIN. 8.9

MAX. 9.0

MIN. 9.1

MAX. 9.2

MIN. 9.3

MAX. 9.4

MIN. 9.5

MAX. 9.6

MIN. 9.7

MAX. 9.8

MIN. 9.9

MAX. 10.0

Technical schematic and specification overview for VGSM08 series motors.

Model Specifications

Model	Resistance	Gear Ratio	Output Torque
VGSM0843	40±10%©	1:80	50gf-cm
VGSM0828	16±7%©	1:62.45	120gf-cm
VGSM0866	40±10%©	1:80	80gf-cm

Mechanical Design

Gear Specifications

- Module: 0.3
- Pressure Angle: 20°
- Number of Teeth: 14
- Indexing Circle: 4.2
- Precision: JIS B 1702 4th Grade

Compliance & Quality

JIS B 1702 4th Grade