

# 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	22.0x22.0x22.0	1.5g
VGSM0828	3.3V	16	120gf-cm	1:62.45	16.4°	1000 pps	1000mNm	100mA	330mW	22.0x22.0x22.0	1.5g
VGSM0866	3.3V	40	80gf-cm	1.80	18°	1000 pps	1000mNm	100mA	330mW	22.0x22.0x22.0	1.5g

仕様書番号: Specification

CONNECTION DIAGRAM

寸法図

出力トルク特性図

最大トルク

最大電流

最大消費電力

寸法

重量

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