

# Grove-Analog Microphone (MEMS)

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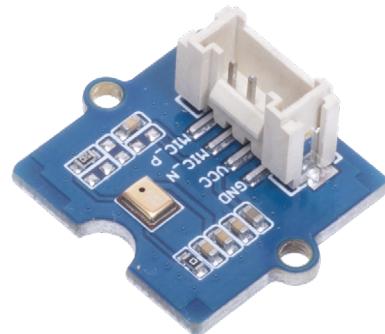
## Product Overview

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## Description

Seeed Studio Grove-Analog Microphone (MEMS) is based on high-performance SiSonic MEMS technology. This microphone offers extremely low noise, low current, and improves overall performance under severe conditions with excellent sensitivity. The grove-analog microphone is an ideal choice where top-notch audio performance is required.



The microphone is perfect for Arduino and Raspberry Pi since it offers maximum RF protection and gain up to 20dB. This MEMS microphone is available in 20mm x 20mm dimensions. The grove-analog microphone operates from 1.5V to 3.6V voltage range and -40°C to 100°C operating temperature range. Typical applications include a sound sensor, sound signal collecting, voice recognition, and recording.

## Features

- High-performance SiSonic MEMS technology
- Extremely low noise, low current, and reliable
- Compact and elegant design

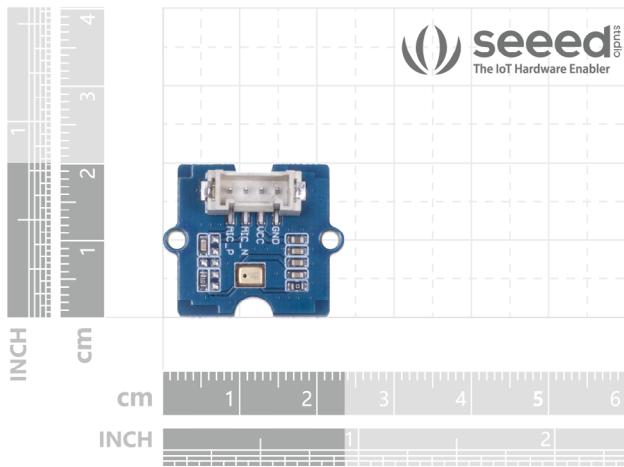
## Specifications

- 1.5V to 3.6V voltage range
- 5mA operating current
- -2dBV/Pa @1.5V to 4dBV/Pa @3.6V sensitivity of MEMS
- 20mm x 20mm dimensions
- -40°C to 100°C operating temperature range

## Applications

- Sound sensor
- Sound signal collecting
- Voice recognition
- Recording

## Board Dimensions



## Schematic Diagram

[Seeed Studio Grove-Analog Microphone \(MEMS\)](#)

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/seeed-studio/seeedstudio-grove-analog-microphone/>