



MEMS Microphone MMICT4076-00-908

Product Brief and EVAL PCB Information

TDK Electronics AG MEMS Business Group • Microphone BU Munich, Germany August 5, 2019

MMICT4076-00-908

Small Package Analog Microphone





Specifications

- Port Location:
- Output:
- SNR:
- Frequency Response:
- Acoustic Overload Point (dB SPL):
- Sensitivity (dB FS):
- Package Size (mm)
- Voltage range
- Polarity

Analog 63dB (A) 80 Hz to 20 kHz): 127 dB SPL -38 ±1 dB 2.75 x 1.85 x 0.9mm 1.6 to 3.6V

Bottom

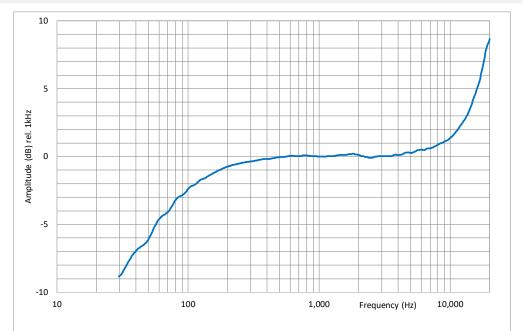
1.6 to 3.6V Positive

Solution Benefits

- Provides High performance in a small package
- Industry standard size
- Ideal for wearables and mobile applications



In Production



Datasheet: Contact your sales representative for preliminary datasheet

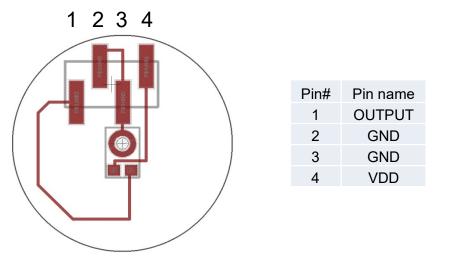
Applications

- Wearable Devices
- IoT sensors
- Conferencing Systems

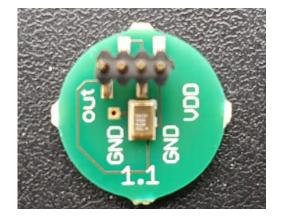
- Mobile Phones
- Headsets
- Remote Controls



Evaluation PCB : EV_T4076



board layout (top metal layer)





This is a round PCB to measure the T4076 microphone in single ended mode. The microphone is routed to a 4-pin plug to supply VDD (pin 4) and to measured the output signal (pin 1).

The PCB has a diameter of 12mm and a thickness of 1mm.



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