Attracting Tomorrow



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







In Production

Specifications

Port Location: **Bottom** Analog Output: ■ SNR: 63dB (A)

• Frequency Response: 80 Hz to 20 kHz Acoustic Overload Point (dB SPL): 127 dB SPL Sensitivity (dB FS): -38 ±1 dB

Package Size (mm) 2.75 x 1.85 x 0.9mm

 Voltage range 1.6 to 3.6V Polarity Positive

Datasheet: Contact your sales representative for preliminary datasheet

Applications

• Wearable Devices

IoT sensors

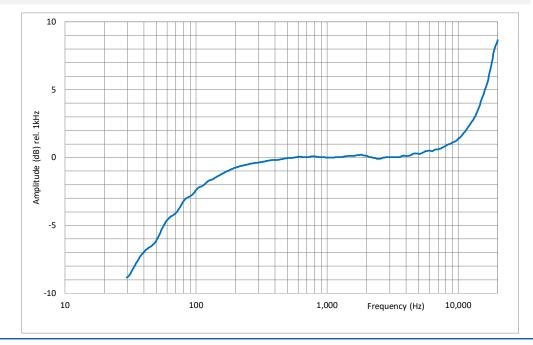
Conferencing Systems

- Mobile Phones
- Headsets
- Remote Controls

Solution Benefits

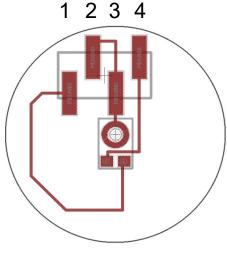
- Provides High performance in a small package
- Industry standard size
- Ideal for wearables and mobile applications



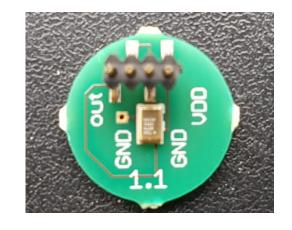




Evaluation PCB : EV_T4076



Pin name
OUTPUT
GND
GND
VDD



board layout (top metal layer)

T4076 PCB top view

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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