

▶ strictly confidential

Attracting Tomorrow



MEMS Microphone T4076

Product Brief and EVAL PCB Information

TDK Electronics AG
MEMS Business Group • Microphone BU
Munich, Germany
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T4076

Small Package Analog Microphone

Attracting Tomorrow



In Production

Specifications

▪ Port Location:	Bottom
▪ Output:	Analog
▪ 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

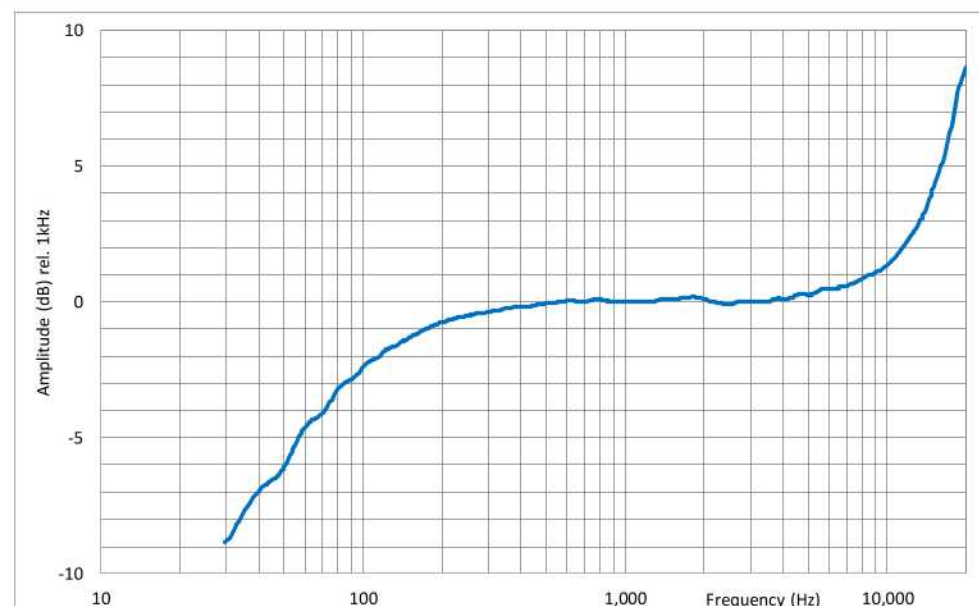
Datasheet: Contact your sales representative for preliminary datasheet

Applications

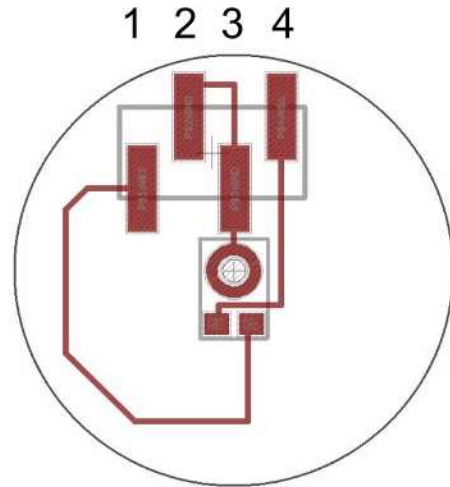
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|------------------------|-------------------|
| • Wearable Devices | • Mobile Phones |
| • IoT sensors | • Headsets |
| • Conferencing Systems | • Remote Controls |

Solution Benefits

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

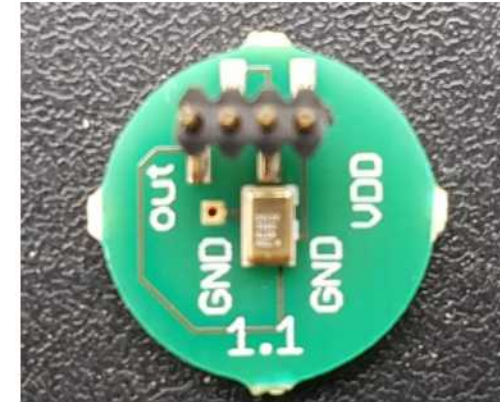


Evaluation PCB



board layout (top metal layer)

Pin#	Pin name
1	OUTPUT
2	GND
3	GND
4	VDD



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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