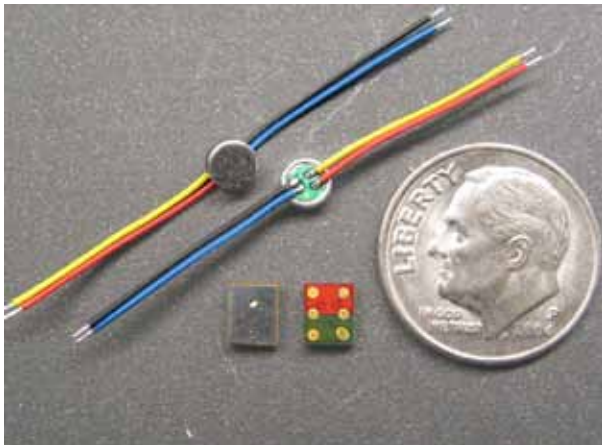


# Digital Microphones



Our new line of digital microphones is yet another example of how MWM is leading the way in acoustic components technology. These advanced microphones provide broadband RFI immunity and completely eliminate GSM buzz present in many analog and mixed-signal devices.

Our world-class digital microphones are available in 4.7x3.7x1.3 mm rectangular surface mount (SMT) or traditional electret package sizes as small as Ø4 mm, as shown to the left.

Optimized for mobile phones, Bluetooth headsets, PC's, and notebooks, our small form factor digital microphones deliver unparalleled quality while leaving only a tiny footprint in your device. Select one of these mics for your next audio component solution. MWM is sure to have the right microphone to meet your specific needs.

## High Level

### Specifications

4 Wire Interface

Vdd: 1.8V to 2.7V or 2.4V to 3.3V

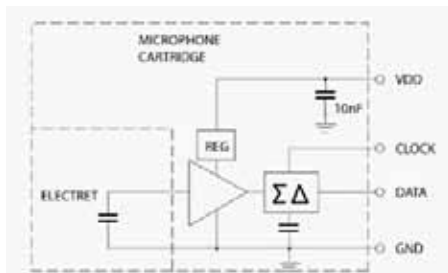
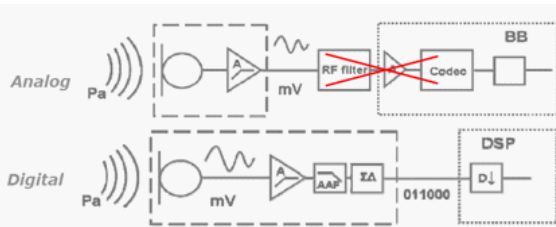
Clock: 1MHz to 4MHz

Data: Sigma Delta bitstream

Sensitivity: -26dB FS @ 1kHz,  
94dB SPL input

Sizes: Ø4 mm, Ø6 mm – Round

4.72 x 3.76 x 1.30 mm – Rectangular



## Features

### of Digital Microphones

- Eliminate GSM or cell phone "buzz"
- Immune to Radio Frequency Interference (RFI)
- Sigma-Delta Bit Stream Output directly connects to Serial Data
- Input Array friendly; can sample 2 mics (L and R channels) on a single clock and data lead

Sound Smarter.®