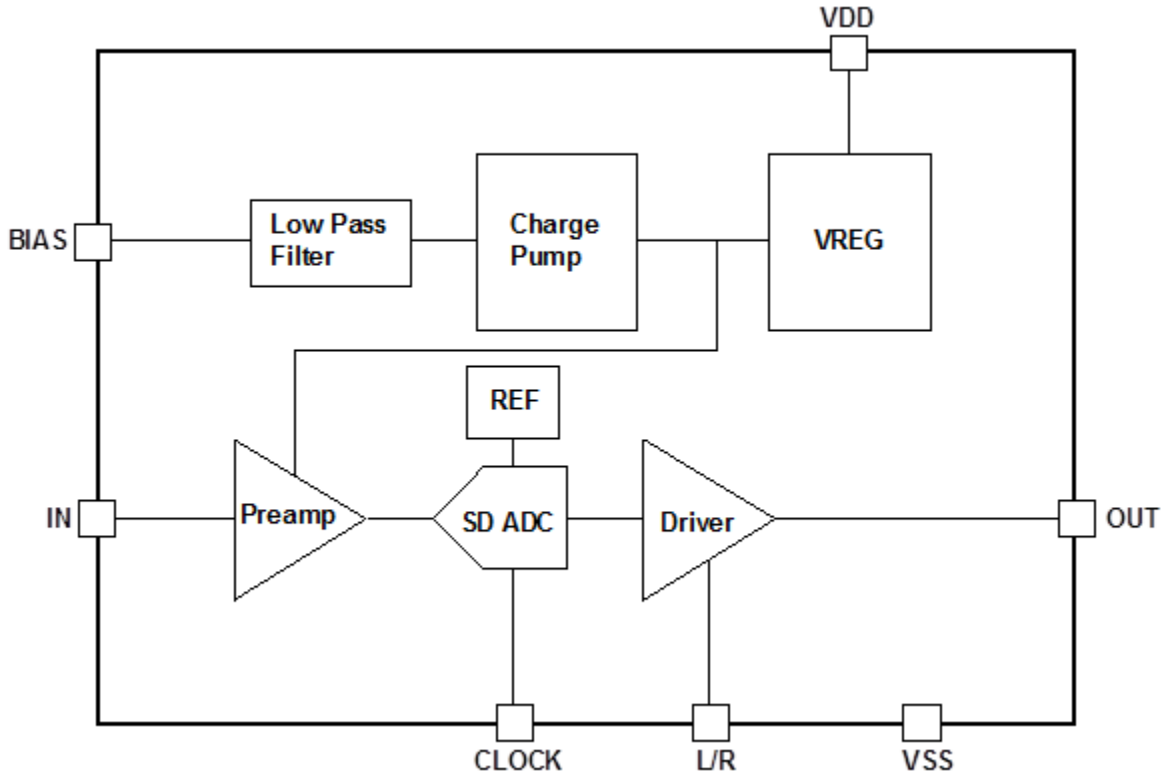
# Cirel announces availability of Digital MEMS Microphone pre-amp

Bangalore - 17th October 17, 2016 – Cirel Systems today announced the immediate availability of their CSAU0302, a high performance digital MEMS microphone preamplifier. The pre-amplifier delivers 65+ dB SNR with which customers can achieve very high quality voice in their Smartphones, Notebooks, Wearables and other hand-held applications. The solution is competitive in terms of size, power consumption and the support of different power modes to extend battery life.

"Our low-power, multiple mode digital MEMS microphone pre-amplifier is ideal for any voice-controlled applications that require a high SNR and low power consumption in small form factor. This includes various IOT and Wearable devices that rely on battery power. Our solution can be interface with different sensors and have programmability to trim final sensitivity within ±1dB" says Sumeet Mathur, CEO, Cirel Systems.




**CSAU0302 Key Features and Benefits:**

- Supply Voltage Range: 1.5V – 3.6V
- Very High SNR in high performance and Low power mode
- Low $I_Q$ in both high performance mode and Low power mode
- Ultra low supply current in Sleep mode
- Very High PSR: -86dBFS
- Low distortion
- Small size: 1.14mm x 0.9mm