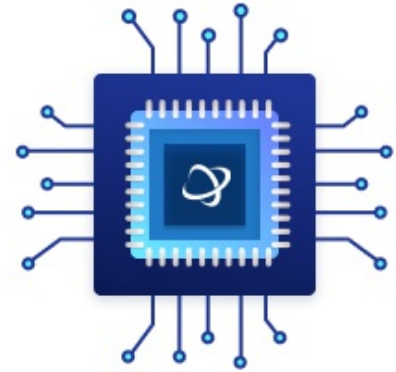


Audio Control, MEMS Microphone, 1.62V to 3.6V, LGA, 5 Pins, -40 °C

Manufacturers	Infineon Technologies Corporation
Package/Case	
Product Type	INFINEON
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IM69D130V01XTSA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

IM69D130 is a high performance digital MEMS microphone making use of Infineon’s Dual Backplate MEMS technology to deliver 105dB dynamic range and high output linearity up to 130dB SPL. The application benefits are crystal clear audio signals, extended pick-up distance and sensitivity to both soft and loud signals - from whispered speech to rock concerts.

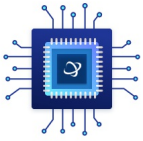
Features

- 69 dB(A) signal-to-noise ratio
- Below 1 percent distortions at 128 dB SPL (AOP - 130 dB SPL)
- Digital (PDM) interface with 6 μ s group delay at 1 kHz
- Tight sensitivity (-36 \pm 1 dB) and phase (\pm 2 deg) tolerances
- 28 Hz low frequency roll-off
- High fidelity and far field audio recording
- Matched, noise and distortion free audio signals for advanced audio signal processing
- Ultra-low group delay for latency-critical applications
- No analog components required

Application

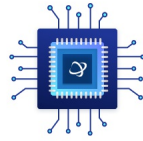
- High quality audio capturing: e.g. cameras, camcorders, conference systems
- Voice user interface: e.g. smart speaker, home automation and IoT devices
- Active noise cancellation: headphones and earphones
- Audio pattern detection: predictive maintenance, security or safety applications

Related Products



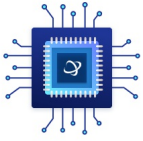
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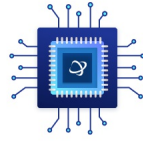
IMOTION-LINK

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IM69D120V01XTSA1

Infineon Technologies Corporation



REF-MHA1KIM5PSOC4

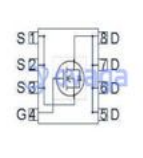
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BSC190N15NS3

Infineon Technologies Corporation

TDSON-8



BSC046N10NS3G

Infineon Technologies Corporation

QFN-8 5X6



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