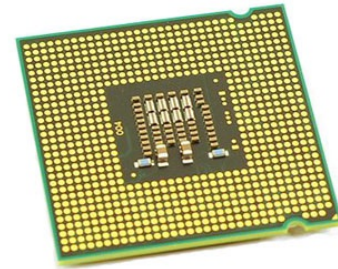


Manufacturers	Infineon Technologies Corporation
Package/Case	PG-LLGA-5-3
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IM72D128V01XTMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The IM72D128V01 is an ultra-high performance digital microphone designed for applications which require a very high SNR (low self-noise) and low distortions (high AOP). This microphone is based on Infineon's new Sealed Dual Membrane MEMS technology which delivers high ingress protection (IP57) at a microphone level. The flat frequency response (20Hz low-frequency roll-off) and tight manufacturing tolerance improve performance of multi-microphone (array) applications. Different power modes can be selected in order to suit specific clock frequency and current consumption requirements.

Ultra-low self-noise / ultra-high SNR (72dB)

Selectable power modes for battery critical applications (980/280µA)

Sealed Dual Membrane (SDM) technology with IP57 ingress protection at microphone level

Ultra-high dynamic range and high acoustic overload point (AOP) of 128dBSPL

Very tight part-to-part phase and sensitivity matching (± 1 dB)

Flat frequency response with a very low LFRO (low frequency roll-off) of 20Hz

Very low group delay (7µs @ 1kHz)

Crystal clear audio pick up of the quietest and the loudest sounds

High ingress protection (IP57) at a microphone level

Enablement of advanced audio features (ANC, transparent hearing, audio zoom, beamforming)

ANC Headphones

Conference systems

Smart speaker

Laptops & tablets

Surveillance

Cameras

Features

Ultra-low self-noise / ultra-high SNR (72dB)

Selectable power modes for battery critical applications (980/280 μ A)

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Application

ANC Headphones

Conference systems

Smart speaker

Laptops & tablets

Surveillance

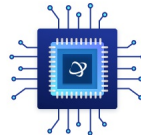
Cameras

Related Products



[IM73A135V01XTSA1](#)

Infineon Technologies Corporation
PG-LLGA-5-2



[IM69D130V01](#)

Infineon Technologies Corporation



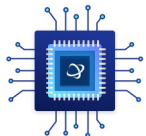
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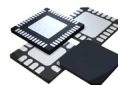
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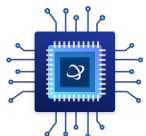
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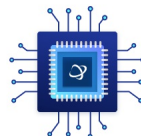
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