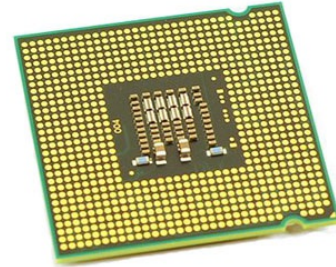


Manufacturers	Infineon Technologies Corporation
Package/Case	PG-LLGA-5-2
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IM73A135V01XTSA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Infineon's XENSIV™ MEMS analog microphone IM73A135 sets a new performance benchmark in MEMS microphones. A best-in-class signal to noise ratio (SNR) of 73 dB and a high acoustic overload point of 135 dB SPL enable clear audio pick up of the quietest and the loudest sounds. This microphone is based on Infineon's new Sealed Dual Membrane MEMS technology which delivers high ingress protection (IP57) at a microphone level. The IM73A135 allows designers to reach a level of high audio performance that was previously only achievable by ECMs while at the same time reaping the benefits inherent in MEMS technology.

Ultra-low self-noise / ultra-high SNR (73 dB)

Selectable power modes for battery critical applications (170/70 μ A)

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

Ultra high dynamic range and very high acoustic overload point (AOP) of 135 dB SPL

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

Ultra-low group delay (2 μ s @ 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

Surveillance

Cameras

Features

Ultra-low self-noise / ultra-high SNR (73 dB)

Selectable power modes for battery critical applications (170/70 μ A)

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

Ultra high dynamic range and very high acoustic overload point (AOP) of 135 dB SPL

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

Ultra-low group delay (2 μ s @ 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)

Application

ANC Headphones

Conference systems

Smart speaker

Surveillance

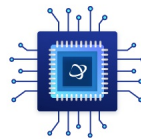
Cameras

Related Products



[IM72D128V01XTMA1](#)

Infineon Technologies Corporation
PG-LLGA-5-3



[IM69D130V01](#)

Infineon Technologies Corporation



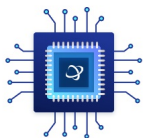
[IM240M6Y2BAKMA1](#)

Infineon Technologies Corporation
DIP23



[IM240M6Y1BAKMA1](#)

Infineon Technologies Corporation
DIP23



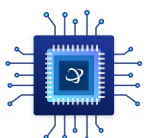
[IM535U6DXKMA1](#)

Infineon Technologies Corporation



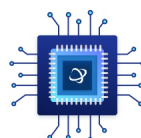
[IM111X6Q1BAUMA1](#)

Infineon Technologies Corporation
PG-IQFN-37



[IM323L6G2XKMA1](#)

Infineon Technologies Corporation



[IM323L6GXKMA1](#)

Infineon Technologies Corporation