

Headset audio amplifier,Special Purpose Audio Amplifiers HEADSET AUDIO AMPLIFIER

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	BGA-12
Product Type	Special Purpose Audio Amplifiers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NCP2811BFCT1G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

RFQ

## General Description

NCP2811 is a dual audio power amplifier designed for portable communication device applications such as mobile phones. This part is capable of delivering 27 mW of continuous average power into a 16  $\Omega$  load from a 2.7 V power supply with a THD+N of 1%. Based on the power supply delivered to the device, an internal power management block generates a symmetrical positive and negative voltage. Thus, the internal amplifiers provide outputs referenced to Ground. In this NOCAPTM configuration, the two external heavy coupling capacitors can be removed. It offers significant space and cost savings compared to a typical stereo application. NCP2811 is available with an external adjustable gain (version A), or with an internal gain (version B). It reaches a superior PSRR and noise floor. Thus, it offers high fidelity audio sound, as well as a direct connection to the battery. It contains circuitry to prevent from Pop and Click noise that would otherwise occur during turn on and turn off transitions. The device is available in 12 bump CSP package (2 x 1.5 mm) which help to save space on the board.

## Features

NoCap™ Output Eliminate DC-Blocking Capacitors

Save board area and component cost

High PSRR : -100 dB

Direct connection to the battery

Pop and Click protection circuitry

High quality audio playback

Internal gain (-1.5 V/V) or external gain

2.7V-5.0V Operation

Thermal overload protection circuitry

## Application

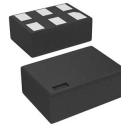
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## Related Products



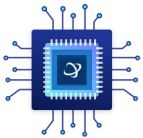
### [NCV2820MUTBG](#)

ON Semiconductor, LLC  
DFN-8



### [NCS2300MUTAG](#)

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UDFN6



### [NCP2820AFCT2G](#)

ON Semiconductor, LLC  
Flip-Chip-9



### [SA571N](#)

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### [SA571NG](#)

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### [FAN3852UC16X](#)

ON Semiconductor, LLC  
6-XFBGA, WLCSP



### [SA572N](#)

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