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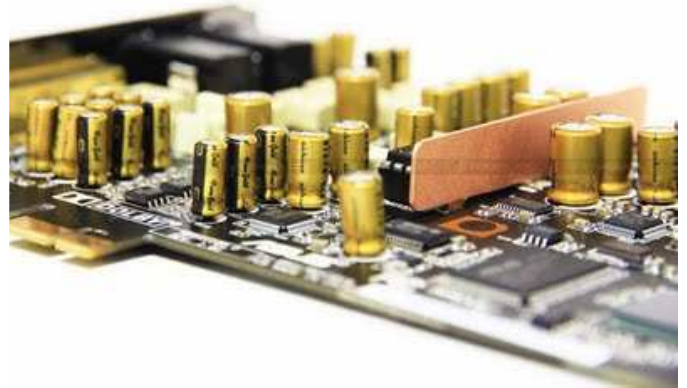
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Nichicon Premium-grade Audio Capacitors

Determining which components create the highest quality audio can be a daunting task for even the most experienced engineer. In order to ensure that your equipment is capable of producing the warmest tones and richest sounds, the



parts that make up that audio system must be thoroughly researched. With thousands of different electrical components on the market today, how can one be certain that the parts needed for an audio system are truly the best?

Thankfully, Nichicon has an expansive array of components that will help make your audio equipment produce the most distinguishable sounds. Below is a list of Nichicon's current product offerings and a brief description of what they are capable of:

Leaded Audio Capacitors

KZ Series is part of the premium-grade MUSE acoustic series. These electrolytic capacitors are ideally suited for first-class high definition audio equipment.

FG Series is part of the "Fine Gold" MUSE series and is also suitable for high-grade audio equipment. These capacitors use state-of-the-art etching technologies and offer an incredibly rich bass.

KW Series standard audio capacitors offer a harmonious balance of sound quality. These capacitors are suitable for AV equipment such as DVD and Blu-Ray players.

FW Series is a standard audio capacitor series for audio equipment.

SW Series is an audio capacitor built for small spaces. At 7mm in height, its versatility and size make it great for all audio needs.

MW Series is even smaller still, measuring at 5mm and is suitable for all general audio equipment.

ES Series is part of the bi-polarized "MUSE" series. This series is suitable for audio signal circuits.

DB/GB Series audio capacitors are bi-polarized series designed specifically for crossover networks in Hi-fi sound systems.

Quick Facts:

KZ – Premium Audio Component

FG – “Fine Gold” HD Quality

KW – 85°C High Quality

FW – 85°C Standard Quality

SW – 7mmL For General Audio

MW – 5mmL For General Audio

ES – “Nichicon MUSE”, Bi-Polarized

DB/GB– Bi-Polarized- Hi-fi Speakers

KT - Designed For High Temp.

KA – 105°C For High Grade Equipment

UQ – Chip Type, Wide Temp. Range

Snap-In Capacitors:

KG – 3 Variations, All HD Quality

KX – Power Supply Switches

KS – Able To Support 33,000µF

KT Series is specifically built to handle high temperatures. These audio capacitors offer a wide temperature range of starting at -55°C to 105°C.

KA Series was designed as a higher-quality 105°C capacitor capable of achieving higher sound quality in than the standard 105°C KT Series. Nichicon’s KA series is constructed with select materials to create superior acoustic sound.

UQ Series is Nichicon’s chip-type audio capacitor. With a wide temperature range, this acoustic series ranges in size from 4 x 5.4 mm to 10 x 10 mm.

Snap-In Audio Capacitors

KG Series is designed with three variations, all of which meet the high tone quality required for HD audio equipment:

- **Type-1:** This “gold tune” component has a low profile and high tone quality. It is also implemented with a newly developed electrolyte for richer sounds and crisper tones.
- **Type-2:** Also a “gold tune” and offering a smaller size than the Type-1, this mid-grade audio capacitor uses an electrode foil and offers extreme versatility.
- **Type-3:** Implementing a gold plated terminal adoption, this “super-through” audio capacitor produces some of the best sounds on the market.

KX Series this snap-in terminal type was designed specifically with switching power supplies in mind. Capable of producing 450V at 105°C, the KX series can produce HD sound and amplify the overall experience.

KS Series which is smaller than its KG counterpart has the ability to withstand up to 33,000µF in capacitance, while producing up to 100V at 85°C.

Focus Markets

- High End Entertainment Systems
- DIY Audio Kits
- Aftermarket Audio Equipment
- Blu-Ray and DVD Players
- Next-Gen Video Game Consoles

Applications



Nichicon audio capacitors are a great addition to any automobile audio system that is in need of a little extra power. Capacitors store a temporary electrical charge that can be released during periods of extra power strain. If a vehicle has dimming headlights when music is played, a capacitor could solve that problem.



When used in an amplifier, Nichicon’s audio capacitors serve to smooth any ripples from the power supply. It can also serve as a power reservoir to handle peak outputs.

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