Press RELEASES

PR-No. 06 – 23. May 2024

Setting a New Benchmark in Audio Excellence

Tokyo, Japan, March 29th, 2024 – Nisshinbo Micro Devices, a pioneering leader in analogue semiconductor technology, is pleased to announce the launch of the MUSES8920A, the latest addition to their prestigious MUSES high-quality sound series. This advanced dual-operational amplifier leverages a J-FET input stage, delivering superior low-noise performance and excellent audio quality, making it perfect for high-end home audio, professional studio equipment, car audio systems, and portable audio devices. It is engineered specifically for audio enthusiasts and professionals who demand the best in sound fidelity.

The MUSES8920A stands out with its remarkable audio specifications. It achieves an ultra-low noise level of just 8.0 nV/√Hz at 1 kHz, ensuring unmatched clarity in sound reproduction. The total harmonic distortion is exceptionally low at 0.0004% at 1 kHz, providing crystal-clear audio purity. Additionally, the amplifier's high slew rate of 25 V/μs guarantees precise reproduction of high-speed signals. The device operates within a voltage range of ±3.5 V to ±17 V, offering flexibility for various audio setups.

With this new product, we continue to enhance our legacy of creating high-performance audio components that elevate the auditory experience. This product embodies our dedication to quality and innovation and aims to satisfy the exacting standards of audio perfectionists globally. The MUSES8920A is currently available through our extensive network of distributors and partners.

Availability and Pricing

More Information about availability, samples and pricing, please visit email: sales.europe@macnica.com.



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Specifications MUSES8920A:

High-quality Sound

Low Noise: 8.0 nV/√Hz at f = 1 kHz

Low Distortion: 0.0004 % at f = 1kHz

High Slew Rate: 25 V/µs

Gain Bandwidth Product: 11 MHz

Low Input Bias Current: 5 pA

Operating Voltage: ±3.5 V to ±17 V

J-FET Input

Bipolar Technology

Package MUSES8920AE: SOP8 JEDEC 150mil (EMP8) (L5.0 x W6.0 x H1.5 mm)

Package MUSES8920AKX7: DFN8-X7 (ESON8-X7) (L4.0 x W3.5 x H0.7 mm)

Datasheet MUSES8920A: Consumer version

Contact:

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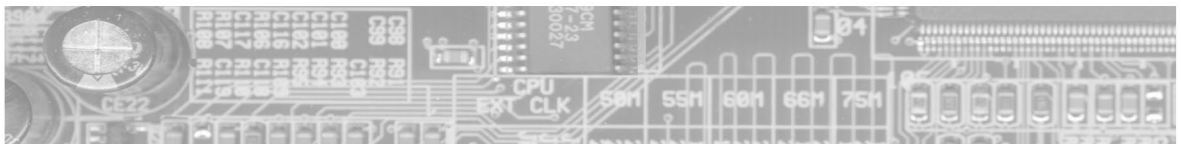
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About Nisshinbo Micro Devices Inc.

Established in January 2022, Nisshinbo Micro Devices Inc. is a merger of the former companies Ricoh Electronic Devices Co, Ltd., and New Japan Radio Co, Ltd, both members of the Nisshinbo Group.

The history of the two companies goes back to 1959, resulting in more than 60 years of experience in the electronics industry. Today, it is one of the leading global suppliers of advanced analogue products. Its portfolio offers a comprehensive range of ICs for Power Management, Supervisory, Operational Amplifiers, Battery Management, RF, Audio & Video, Optoelectronic devices, Motor drivers to name a few. These products enable electronics engineers to design advanced applications for consumer, industrial and automotive markets.



The company is headquartered in Tokyo, Japan, and has development, sales, and manufacturing facilities across the country. In addition, it has regional sales and support offices in North America, Europe, and Asia.

For further information, please visit our website https://www.nisshinbo-microdevices.co.jp/en/

About Macnica ATD Europe GmbH
Macnica's ATD Europe GmbH, (former Macnica GmbH), was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

By it's acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarter in Ingolstadt and offices in Munich, Regensburg, Milton Keynes (UK) and Warsaw offering an attractive and competitive portfolio of highly sophisticated devices.

Macnica provides end to end support from design-in to production through its global service network to its customers, regardless of the final destination of the product shipment to customers' manufacturing locations.

About Macnica ATD Europe S.A.S.
Founded in 1990 as ATD Electronique, Macnica ATD Europe headquarter offers innovative components dedicated to imaging applications for the European market. Its product portfolio includes: image sensors (CCD, CMOS, InGaAs, Thermal etc.), optics, interface circuits, FPGA & IPs, imaging processors, cables and OLED microdisplays.

It also covers development tools and design services enabling fast and efficient realization of new high-performance camera systems for markets such as machine vision, medical, life sciences, surveillance, automotive and others. After the acquisition of the company by Macnica Inc. as of October 1, 2020 the company operates under the name Macnica ATD Europe.

About Macnica, Inc.
Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 85 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 3,900 and its consolidated revenue for fiscal 2021 was approximately US$ 7.6 B.



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Macnica is famous for having an excellent engineering team of more than 900 application support engineers, IC designers and software developers with strong focus on providing technical support for its customers including custom design services. Macnica is continuing to extend its presence globally by having successful partners in strategic areas in the electronics market.

More information about Macnica: https://www.macnica.com/global/en/home.html.

