

Message from our CTO

Pride and responsibility as a top brand

Performance improvements in electronic components driven by technological innovation leads not only to greater device safety and convenience, but also has the benefit of contributing to environmental conservation. As a top manufacturer of aluminum electrolytic capacitors, we are keenly aware of the expectations placed on our company. We will fulfill those expectations by striving to be the E.C.O. solutions company.

Norio Kamiyama

Director and Senior Executive Officer and Chief Technology Officer



Nippon Chemi-Con has conducted operations with a focus on aluminum electrolytic capacitors for more than 80 years since our founding in 1931. As a top brand for aluminum electrolytic capacitors, our products are used by customers around the world in a wide range of applications.

IoT has enabled all electronic devices to be connected via the internet, making how industries effectively utilize this technology an extremely vital issue.

And with advancements in EV and autonomous driving, the electronics sector is more important than ever to the automobile industry.

It is likely that the world will grow more dependent on electricity and electronic devices. On the other hand, this summer we saw torrential rains and flooding hit western Japan and temperatures nationwide exceeding 40°C. So extreme and abnormal were weather conditions that the Arctic recorded temperature exceeding 30°C. It is evident we are facing environment conditions requiring full-scale global warming countermeasures.

From smoothing voltage fluctuations in power sources and converters to driving motors, suppressing noise of motors, and providing backup power supply in momentary voltage drop, our mainstay aluminum

electrolytic capacitor products are used in a wide variety of circuits. And by reducing capacitor loss, we can contribute to improved device efficiency.

Our electric double layer capacitor DLCAP™ boasts greater capacity (energy) than aluminum electrolytic capacitors. Their unique ability to frequently store energy makes them ideal for use in braking energy recovery systems and other applications. The electric double layer capacitor enables the effective utilization of energy that in the past was being wasted.

Large amounts of electricity are used in the formation of aluminum oxide layer, the dielectric of an aluminum electrolytic capacitor. By improving the formation conditions for oxide layer, we are now able to form oxide layer with equivalent withstand voltage at half the electricity compared to 10 years prior.

Our mainstay products are passive products but by improving their performance and improving production conditions, we can contribute to energy conservation and storage. In doing so, we will get closer to fulfilling our long-term corporate mission of being the E.C.O. solutions company (=E (Energy). C (Capacitor). O (number One): to be the No. 1 company for capacitors in the energy sector).