



Press Release

Nippon Chemi-Con Corporation

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High Withstand Voltage Product with 550 V Rated Voltage Added to the "KMS Series" Snap-in Type Aluminum Electrolytic Capacitors

Nippon Chemi-Con has now added a lineup of products with rated voltage increased up to 550 volts to the "KMS Series" snap-in type aluminum electrolytic capacitors for power supply input smoothing. Adopting high voltage and high capacity aluminum electrode foil that was developed internally, this product has achieved the highest voltage in the industry for this type of product.

We will be presenting this product as the perfect fit for the power conditioners used for solar power generation and for the server power supplies used in data centers.

Nippon Chemi-Con has a full lineup of snap-in type aluminum electrolytic capacitors that mainly targets the power electronics market.

The compact "KMS Series" is a series that has a lineup of capacitors for power supply input smoothing up to a rated voltage of 500 volts. These products have been adopted for a wide range of uses, including power conditioners, switching power supplies and general purpose inverters.

The recent markets trends are pointing to greater demand for high voltage products because of the following reasons: (1) In the United States where the market for power conditioners is rapidly growing, there is an increased need for products that can handle maximum system voltages; and (2) there is an increase in the number of servers being installed that are compatible with high voltage input because of the new construction or expansion of existing data centers that has been caused by the sudden popularity of smartphones.

In light of this, we decided to expand our KMS series that only had products up to 500 volts, and developed a product with a rated voltage of 550 volts that would be the highest withstand voltage in the industry for snap-in type products.

<<Sample Availability and Mass Production Schedule>>

Shipping of samples of the KMS series product with a rated voltage of 550 volts already started in April 2015, and mass production is scheduled to start in September 2015.

<<Main Specifications (550V rated voltage)>>

- Category temperature range: -25°C to +105°C
- Endurance: 3000 hours guaranteed at 105°C
- Rated voltage: 550 V
- Capacitance range: 82 to 470 μ F
- Case size: ϕ 22×35 L to ϕ 35×60 L mm

<<Product Appearance>>

