



## Press Release

Nippon Chemi-Con Corporation  
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### **Radial Lead Type Aluminum Electrolytic Capacitors KXL Series** Capacitors for input filtering guaranteeing a long life of 12,000 hours at 105°C

Nippon Chemi-Con has developed high withstand voltage radial lead type aluminum electrolytic capacitors KXL Series for input filtering applications of communications equipment and general-purpose power supplies.

As power supply equipment become smaller, aluminum electrolytic capacitors are required to be smaller in size and larger in capacitance, have longer life and be able to cope with environmental temperatures.

In response to these demands, we have commercialized the KXG and KXJ Series and received positive feedback from customers. To meet further demands such as higher capacitance in the communication equipment field and smaller size in the reliable power supply field, we have decided to commercialize the KXL Series.

The KXL Series has a 400 to 450V rated voltage range and a long life guaranteeing 12,000 hours at 105°C.

In addition, to cope with environmental temperatures, the product can be used at temperatures at a minimum of -40°C on the low-temperature side even as a high withstand voltage product.

We have prepared case sizes  $\phi 10 \times 50$  L and  $\phi 12.5 \times 50$  L (mm) for slim power supply applications, so that applications can be thinned by horizontal mounting.

In development, we adopted a high-capacitance aluminum electrode foil developed in-house. Furthermore, by increasing the storage efficiency of elements in aluminum cases, the capacitors are smaller and have a longer life.

#### [Samples and Mass Production]

The KXL Series will be available as samples from May 2016, and mass production will start in June 2016. They will be produced at Chemi-Con Iwate Corp. (a wholly owned subsidiary of Nippon Chemi-Con)

[Main Specifications]

- Category temperature range: -40°C to +105°C (400V to 450V)
- Endurance: guarantees 12,000 hours at 105°C  
(guarantees 10,000 hours at 25L or smaller)
- Rated voltage range: 400 to 450V
- Capacitance range: 15 to 150μF
- Case size: φ10 x 20 to 50 Lmm  
                   φ12.5 x 20 to 50 Lmm  
                   φ14.5 x 20 to 45 Lmm  
                   φ16 x 20 to 40 Lmm  
                   φ18 x 20 to 35 Lmm

[Product Features]

Capacitance comparison of 450V products

**NEW**

Unit: μF [20°C, 120Hz]

Size	KXL Series	KXJ Series (existing)	KXG Series (existing)
φ10x20L	15	12	6.8
φ12.5x20L	27	18	10
φ16x20L	39	33	22
φ18x20L	56	39	33
φ18x35L*	120	100	82

\*35.5L for KXJ and KXG.

[Product Appearance]

