



# Press Release

Nippon Chemi-Con Corporation  
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## **SMD Type Conductive Polymer Aluminum Solid Capacitors PNA Series**

Nippon Chemi-Con has developed SMD type conductive polymer aluminum solid capacitors PNA Series. The Series realizes high heat resistance, high moisture resistance and longer life.

The communications market is rapidly growing due to the start of 5G services in various countries. 5G base stations need to place many small base stations called small cells to handle high-speed/high-capacity information. As small cells are mainly placed outdoors, capacitors used in these cells are required to operate under a wide temperature range or in high-moisture environments. Our newly developed PNA Series contributes to weather resistance improvement and maintenance-free for communication base stations by guaranteeing a long life of 12,000 hours at 125°C and 1,000 hours at 85°C85%RH, both of which are the highest level in the industry.

### **Technical Features**

The product guarantees 85°C85%RH and a long life at 125°C by using our proprietary conductive polymer formation technology and sealing technology.

### **Overview of Newly Added Products**

- Category temperature range: -55°C to +125°C
- Rated voltage range: 2.5V to 16V
- Rated capacitance range: 100μF to 560μF (capacitance tolerance ±20%)
- Case size: ø6.3mm×6.7mmL
- Endurance: 12,000 hours at 125°C
- Moisture resistance: 1,000 hours at 85°C85%RH

### **Samples and Mass Production**

Samples: November 2022

Mass production: February 2023

### **Production Site**

Chemi-Con Yamagata Corp. Yonezawa Plant

## List of Standard Products

Size øD×L[mm]	Rated voltage [Vdc]	Cap [μF/120Hz]	Endurance[hrs.] 125°C	Moisture resistance[hrs.] 85°C85%RH	ESR [mΩmax/100kHz]
6.3×6.7	2.5	560	12,000	1,000	15
	6.3	330			15
	16	100			25

## Product Appearance

