



# Press Release

Nippon Chemi-Con Corporation  
October 2, 2019

## Metal Cap Type Multilayer Ceramic Capacitors NTJ Series 50V rated voltage and capacitance expansion

Nippon Chemi-Con will make an addition to the conventional metal cap type multilayer ceramic capacitors NTJ Series. The Series product lineup will be expanded by adding a new 50V rated voltage product of the same size with a capacitance increased to 33 $\mu$ F from 22 $\mu$ F.

The NTJ Series are products with improved resistance to substrate bending by fixing two elements together with a metal cap. We have a lineup of products with a rated voltage of 25V to 250V, widely used in industrial equipment, power supplies, and information and communications applications.

However, in recent years, there is a growing demand for increased capacitance of capacitors in such applications. The newly added large-capacitance products will be offered to meet those needs.

### [Technical Features]

To increase the capacitance, we adopted our proprietary dielectric material and developed a new manufacturing process.

### [Main Specifications]

- Temperature characteristics: X7R
- Category temperature range: -55°C to +125°C
- Rated voltage: 50V<sub>dc</sub>
- Rated capacitance range: 33 $\mu$ F
- Rated capacitance tolerance:  $\pm$ 20% (M)
- Endurance: guarantees 1,000 hours at rated voltage and 125°C
- Case size: Refer to the table below.

Rated capacitance range, size (Unit: mm)

Rated voltage Capacitance	Metal cap type		
	L	W	Tmax
50V/33 $\mu$ F	6.0 $\pm$ 0.4	5.3 $\pm$ 0.4	6.5max

### [Production]

Mass production started at the Nagai Plant of Chemi-Con Yamagata Corp. (a wholly owned subsidiary of Nippon Chemi-Con) in May 2019.

[Product Appearance]

