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Nichicon Capacitors for the Industrial Internet of Things (IoT)

The Internet of Things (IoT) is a network of electronic, mechanical, digital devices and people that are surrounded with electronics, software, sensors and network connectivity that enables these “things” to come together and interchange data.



As more and more global manufacturers integrate digital devices and implant intelligence within their processes and factories, Nichicon will continue to develop capacitors to meet these smart manufacturing needs and other developing markets.

Advantage #1: Long Life

The newly expanded UHW series has 10,000hrs of life with rated ripple current at 105°C. This makes the UHW series ideally suited for applications where long life and high reliability are in demand.

Advantage #2: Miniature Sized

The UUR, UCM, and newly expanded UHW series all feature smaller case sizes. This makes them ideal for small motor drives and automated controllers for information infrastructure.

Advantage #3: High Ripple Current

Nichicon's higher ripple current ratings can help withstand the high current demands that industrial applications encounter. Our low impedance ratings help achieve higher ripple current ratings to prevent overheating and premature failures. The Nichicon UCM, UHW, and LGU series feature low impedance and high ripple current ratings at high frequency.

Quick Facts

- Long Life
- Miniature Sized
- High Ripple Rated
- Low Impedance

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Device Part Offerings

Series	Type	Life (Hrs)	Voltage	Capacitance	Impedance
LGU	Snap-In	3,000	16-450	47-47000 μ F	.018-7.1 Ω
UHW	THT	10,000	6.3-100	82-15000 μ F	.01-.47 Ω
UCM	SMD	2,000	6.3-50	10-2200 μ F	.06-2.3 Ω
UUR	SMD	2,000	4-100	3.3-1500 μ F	.31-60.3 Ω
UCD	SMD	2,000-5,000	6.3-100	1-3300 μ F	.08-5.00 Ω

Applications

- ◇ UPS Systems
- ◇ Wireless Routers
- ◇ Drive Controls
- ◇ Smart Sensors
- ◇ Appliances & Thermostats
- ◇ Security Monitors
- ◇ Client-Servers
- ◇ Automated Controllers



Focus Markets



- ◇ Network Security
- ◇ Infotainment
- ◇ Information Technology
- ◇ Broadcasting
- ◇ Network Infrastructure
- ◇ Smart Manufacturing