

October 15, 2018

NICHICON CORPORATION
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**NICHICON Develops LGZ Series of Snap-In Terminal-Type
Aluminum Capacitors Guaranteed for 20,000 Hours
at 105°C Achieving the World's Longest Life**

NICHICON CORPORATION developed the LGZ Series of snap-in terminal-type aluminum capacitors guaranteed for 20,000 hours at 105°C achieving the longest life to meet demands for long-life in the environmental and renewable energy fields.

These products will be displayed at CEATEC JAPAN 2018, held at Makuhari Messe from Tuesday, October 16, to Friday, October 19.

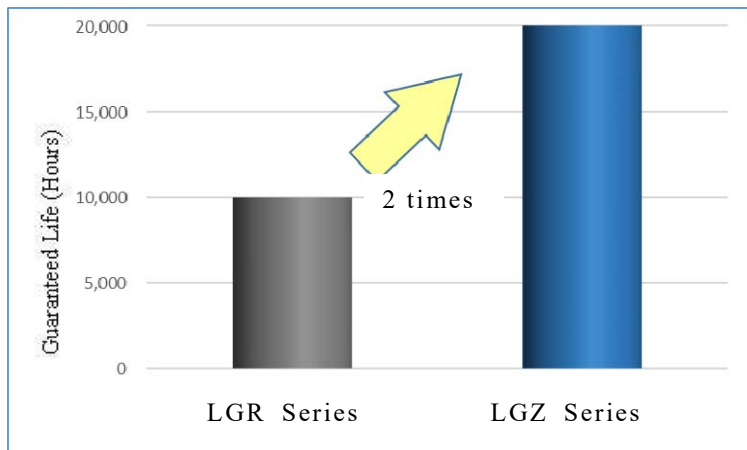
Overview and Development Background

Recently, in the environmental and renewable energy fields, there has been an increasing demand for longer life parts for maintenance-free operation and reduced maintenance costs. To meet these demands, NICHICON developed the new LGZ Series, which offers the longest life surpassing the current lineup of our long-life LGR Series products (guaranteed for 10,000 hours at 105°C).

Features

The LGZ Series achieves a long life of 20,000 hours at 105°C through the combination of highly reliable electrolytic foil and electrolyte paper with an increased amount of electrolytic solution. Longer life often involves a trade off with product size. By using high reliability electrolytic foil Nichicon was able to double the life of the same sized product when compared to the current LGR Series. The adoption of the LGZ Series will contribute to longer equipment life.

Endurance (105°C)



Main Specifications

- Rated voltage range: 450VDC
- Rated capacitance range: 82 to 330 μ F
- Category temperature range: -25 to 105°C
- Product dimensions: ϕ 30 \times 25L to ϕ 35 \times 50L (mm) (12 sizes)
- Life: 105°C 20,000 hours guaranteed
- Terminal shape: Snap-in
- Samples: From October 2018
- Mass production: From October 2018
[Planned production volume: 200,000/month]
- Production plant: NICHICON (OHNO) CORPORATION, Site III
Factory
4085 Toyoshina, Azumino, Nagano Prefecture
(ISO 9001, ISO/TS 16949 and ISO 14001 certified)

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Aluminum Capacitors Guaranteed for 20,000 Hours at 105°C.