

October 11, 2018

NICHICON CORPORATION
Karasumadori Oike-agaru, Nakagyo-ku, Kyoto
Phone: +81-75-231-8461
Inquiries: Masanobu Seki, Operating Officer and
General Manager, Capacitor Business Headquarters

**NICHICON Develops PCL Series of Chip-Type
Conductive Polymer Aluminum Solid Electrolytic Capacitors
Guaranteed for 20,000 hours at 105°C**

NICHICON CORPORATION has developed the PCL Series of chip-type conductive polymer aluminum solid electrolytic capacitors for industrial equipment requiring long-life and reliability. Offering four times longer life (guaranteed to 20,000 hours) than current products in the PCS Series (guaranteed to 5,000 hours) these new products achieve the highest standard for endurance.

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

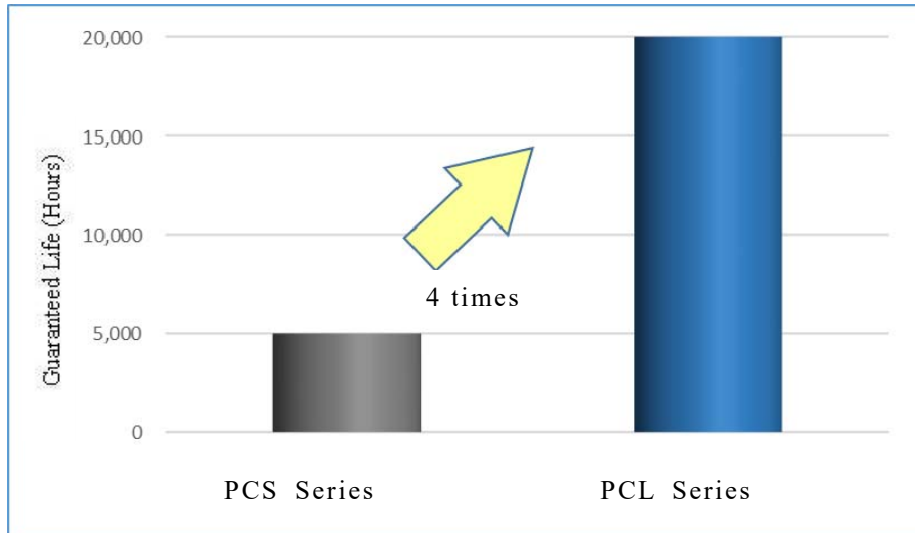
Overview and Development Background

Aluminum solid electrolytic capacitors use a high electrical conductive polymer as its electrolyte, enabling a low ESR. There is no “dry up phenomenon” in which the electrolytic solution evaporates resulting in longer life. Communication infrastructure equipment is expanding with increases in higher speed and larger capacity communications. Due to frequent maintenance difficulties, there is an increasing demand for longer life products. To meet these needs, NICHICON developed the PCL Series of long-life chip-type conductive polymer aluminum solid electrolytic capacitors.

Features

These products further enhance the highly reliable conductive polymer aluminum solid electrolytic capacitor technologies by further optimizing part composition and material design, we have developed a product with a longer life than the current PCS Series. As a result, this will contribute to the longer product life of printed circuit boards and a reduction in the frequency of equipment maintenance.

Durability (105°C)



Main Specifications

- Rated voltage range: 4 to 16VDC
- Rated capacitance range: 22 to 2700 μ F
- Category temperature range: -55 to 105°C
- Product dimensions: ϕ 5 \times 6L to ϕ 10 \times 12.7L (mm) (7 sizes)
- Life: 105°C 20,000 hours guaranteed
- Terminal shape: Chip type
- Samples: From October 2018
- Mass production: From October 2018
[Planned production volume: 500,000/month]
- Production plant: NICHICON (OHNO) CORPORATION, Site II
Factory
4-24-15 Tsuchifugo, Ono, Fukui Prefecture
(ISO 9001, ISO/TS 16949 and ISO 14001 certified)



PCL Series of Chip-Type Conductive Polymer Aluminum Solid Electrolytic Capacitors Guaranteed for 20,000 hours at 105°C