



Press Release

Nippon Chemi-Con Corporation
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SMD Type Aluminum Electrolytic Capacitors MHU Series Development of products with a composite sealing structure, guaranteeing 5,000 hours at 125°C

Nippon Chemi-Con has developed the MHU Series which has a 2.5 times longer product life than that of our existing products (MVH Series). They are suited for the automotive electronics, industrial equipment and communication base station markets where high reliability is required.

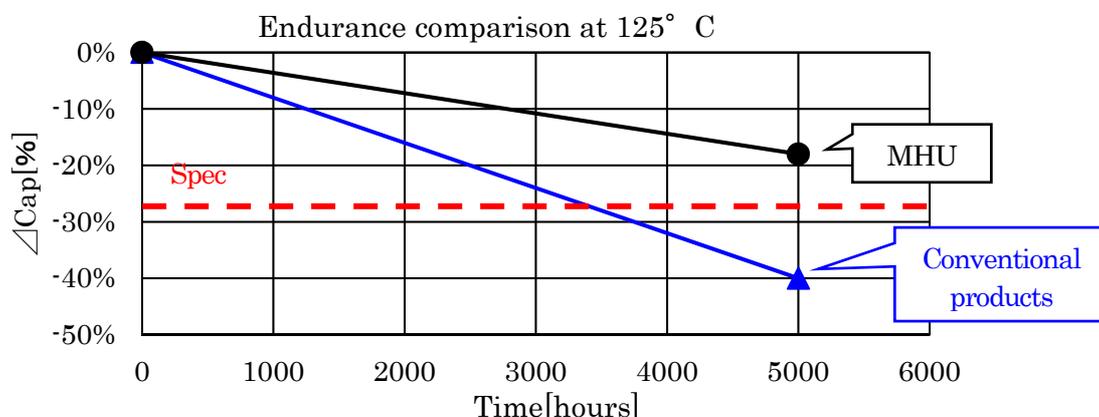
In conventional SMD type aluminum electrolytic capacitors, rubber is used as the sealing material to seal the elements inserted into the aluminum case.

The newly developed MHU Series adopts a "composite sealing structure" which uses a new sealing material with rubber to dramatically improve airtightness. Due to its excellent sealing performance, the amount of electrolyte evaporation has been successfully reduced by more than 40% compared to existing product lines. This has suppressed performance degradation and guarantees 5,000 hours at 125°C, extending the life by 2.5 times compared to conventional products.

Furthermore, the combination of the optional vibration-resistant support base and the composite sealing structure withstands vibration acceleration of 40G.

With the shift to electronic control/electrification on vehicles and the development of EVs and HEVs, electronic control units are becoming smaller and mounted more densely. At the same time, there is a growing tendency for electronic control units to be installed in high-temperature and high-vibration environments. There is also a demand for high-reliability and long-life electronic components in industrial equipment and communication base stations.

The MHU Series is recommended for such demands.



[Product Profile]

- Category temperature range: -40°C to +125°C
- Rated capacitance range: 35WV
- Capacitance: 330 μ F
- Case size: ϕ 10 x 10 Lmm
- Endurance: guarantees 5,000 hours at 125°C (DC)

[Samples and Mass Production]

Samples: August 2019

Mass production: undecided

[Product Appearance]

