

**<Molded Type>
Development of PMA Series of SMD-Type
Conductive Polymer Aluminum Solid Capacitors**

Low-profile package and large capacitance achieved by resin molding

Nippon Chemi-Con Corporation has developed the PMA series, a molded version of its surface mount type conductive polymer aluminum solid capacitors.

Nippon Chemi-Con's conventional surface mount type conductive polymer aluminum solid capacitors employs a vertical type surface mount structure in which the element is placed inside an aluminum case and then sealed by a rubber bung. The newly developed PMA series, however, has a structure in which the element is molded in resin instead of using an aluminum case and a rubber bung, thereby achieving a more compact package.

This has also led to a reduction in the height of the package and an increase in the capacitance, allowing mounting in small and thin equipment in which conventional capacitors could not be mounted easily.

The PMA series are ideal for use in the DC/DC converter inputs of laptop PCs, car navigation systems, and so on.



<<Mass production schedule>>

Samples for PMA series are currently available, with mass production to start within the year.

<<Specifications>>

Category temperature range	-55 – +105°C
Endurance	1000 hours at 105°C
Rated voltage range	16 – 25Vdc
Rated capacitance range	15 – 39μF
ESR	40 – 55m
Allowable ripple current	2000 – 2200mArms
Case size	7×7×4.0Lmm