



Addition of Small-Size and Large-Capacitance Versions to the PSF Series of Lead-Type Conductive Polymer Aluminum Solid Capacitors

Capacitance increased by 46% over conventional products

Nippon Chemi-Con Corporation has added small-size and large-capacitance versions with sizes of 6.3 φ × 8 mm and a capacitance of 1,200 μF at 2.5 V to its PSF series of lead-type conductive polymer aluminum solid capacitors.



As PC related products become smaller and thinner, the bulk capacitors mounted on the secondary side of a VRM are required to take up even less space.

Although at present the normal specification of bulk capacitors is a rated voltage of 2.5 V and capacitance of 820 μF (ESR: 7 mΩ), Nippon Chemi-Con has been working to develop large-capacitance versions based on the low-ESR PSF series (ESR: 5 mΩ), and has now achieved a large capacitance of 1,200 μF at 2.5 V (a 46% increase) while keeping an ESR of 5 mΩ.

<<Mass production schedule>>

The newly added large-capacitance versions of the PSF series are already being mass produced.

<<Specifications>>

Category temperature range	-55 – +105°C			
Endurance	5000 hours at 105 °C			
Newly added product (Case size: 6.3 φ × 8Lmm)	Rated voltage [Vdc]	Capacitance [μF]	ESR [mΩmax/20°C 100k – 300kHz]	Rated ripple current [mA _{rms} /105°C, 100kHz]
	2.5	1200	5	5900