



Press Release

Nippon Chemi-Con Corporation
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Supercapacitor DLCAP™ Modules MDKA150S8R3PE6111A for Industrial Equipment Developed

Nippon Chemi-Con has developed supercapacitor DLCAP™ modules optimal for backup power supplies in emergencies such as power losses. The products are especially for use in industrial equipment.

This module contains radial lead type DLCAP™ DKA Series which is already being mass produced.

Many backup power supplies of industrial equipment use multiple DKA Series in connection. When used in this way, balanced circuits and failure detector circuits are needed separately.

However, as this module has built-in balanced circuits and failure detector circuits, it can reduce the strain of equipment design. By changing the terminal to screw terminal type, we have also made it easier to mount on equipment.

Overview of MDKA150S8R3PE6111A

This module connects six radial lead type DLCAP™ DKA Series (DDKA2R5ELL500KM50S: rated voltage 2.5V, capacitance 50F, case size $\phi 18 \times 50$ mm) in series. This enables use in up to 15V and the capacitance achieves 8.3F. The modules can be added in series or in parallel as needed, and can be custom-designed for embedding in systems.

*Please contact us if you are considering use of over five in series.

Samples and Mass Production

This module is already available as samples and will start mass production in December 2021.

Main Specifications

Cell structure	$\phi 18 \times 50$ Lmm, capacitance 50F, 6 series-1 parallel
Rated voltage	15V
Rated current	10A (max. 30A)
Nominal capacitance	8.3F (tolerance +10%, -15%)
DC internal resistance	87.4m Ω or lower
Balanced circuit operating voltage	2.4V (per cell)
Overvoltage detection voltage	2.9V (per cell)
Overvoltage detection signal	Output from isolated B contact
Operating temperature	-40 to +70°C (including temperature increase in cell)
Mass	Approx. 200g
Outer size	D 152mm×W 65mm×H 28mm

Product Appearance

- ◆ Radial lead type DLCAP™ modules MDKA150S8R3PE6111A

