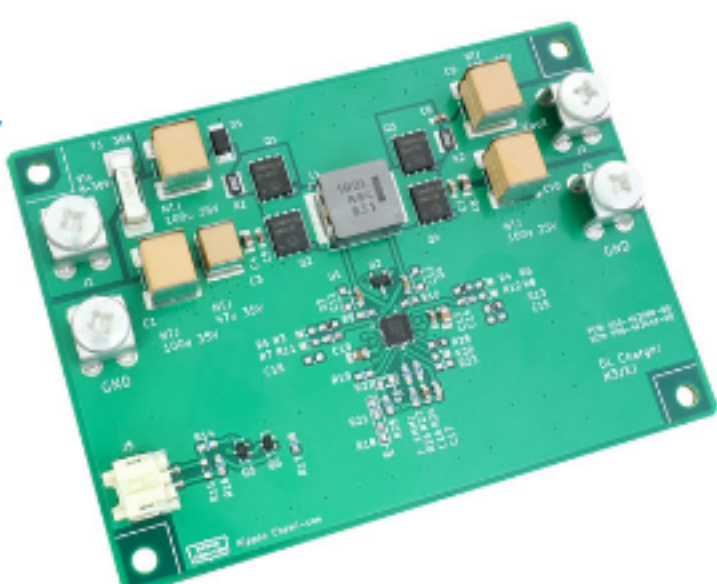


Products Lineup

Modules



Discharging Module for Supercapacitor Evaluation

N3JXJ

For capacitor evaluation

Stable output operation

With protection circuit

This is a non-isolated discharging module (DC/DC converter) that can be used when evaluating supercapacitors. It is a buck-boost converter and can output a stable voltage even if the input voltage (output from supercapacitor) fluctuates. It is equipped with protective features such as an output stop function linked to the cell overvoltage detection function.

Specification

Part Number	N3JXJ
Status	Under Development
Compatible Modules	Supercapacitors 6-unit Module MDKA150S8R3PE6111A
Size D×W×H	65×90×13mm
Reference Weight	50g
Operating temperature range	-40～+70°C
Storage temperature range	-40～+85°C

Stock at Distributors

Distributors	Stock quantity	Buy
Chip One Stop, Inc.	11	

Powered by [netCOMPONENTS](#)

Design Tools・Documents

Instruction Manual

We use cookies on our website to provide appropriate and comfortable services to you. For more information, see our [Privacy Policy](#) and [Cookie Policy](#).

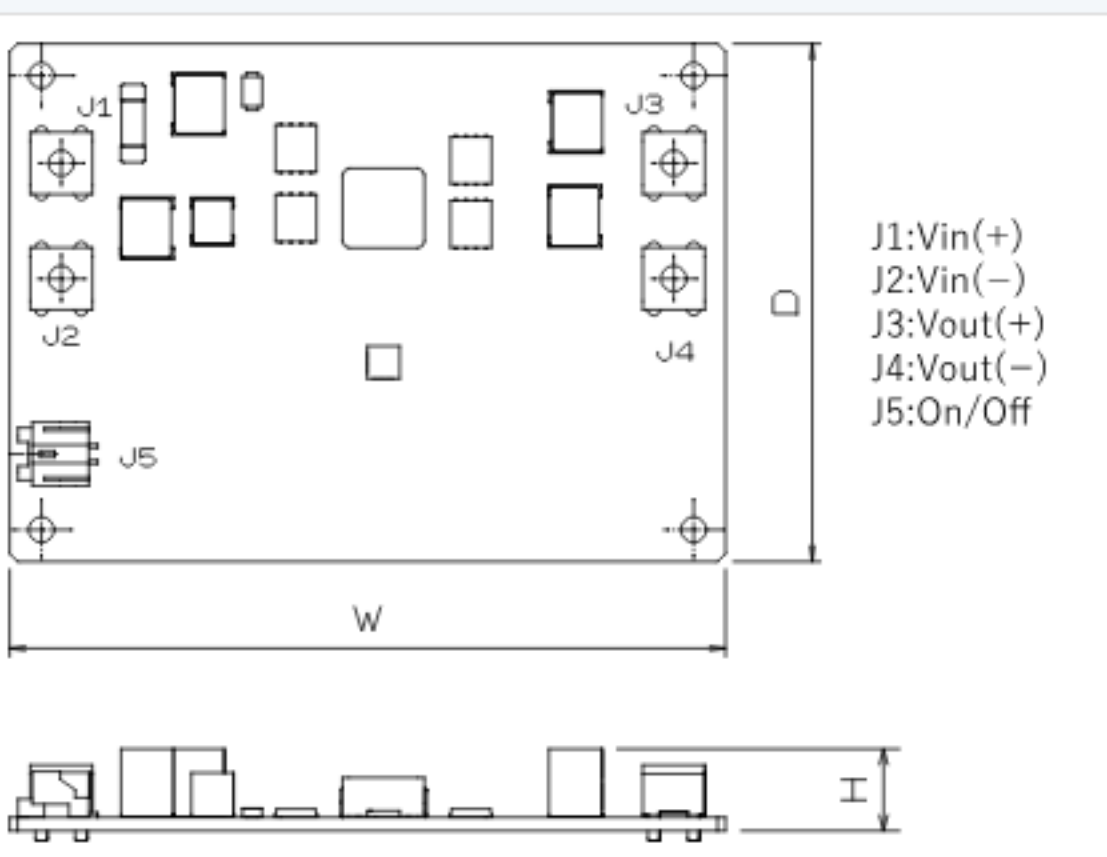
I accept cookies

I refuse cookies

Input	Voltage Range	6～30V * Starting voltage: 6.5V
	Current	25A max
	Efficiency	96% max
Output	Voltage (Fixed Output)	12.125V
	Voltage Accuracy	±0.1V +2%
	Current	15A max (There is a time limit)
	Ripple Voltage	p-p 150mV max.

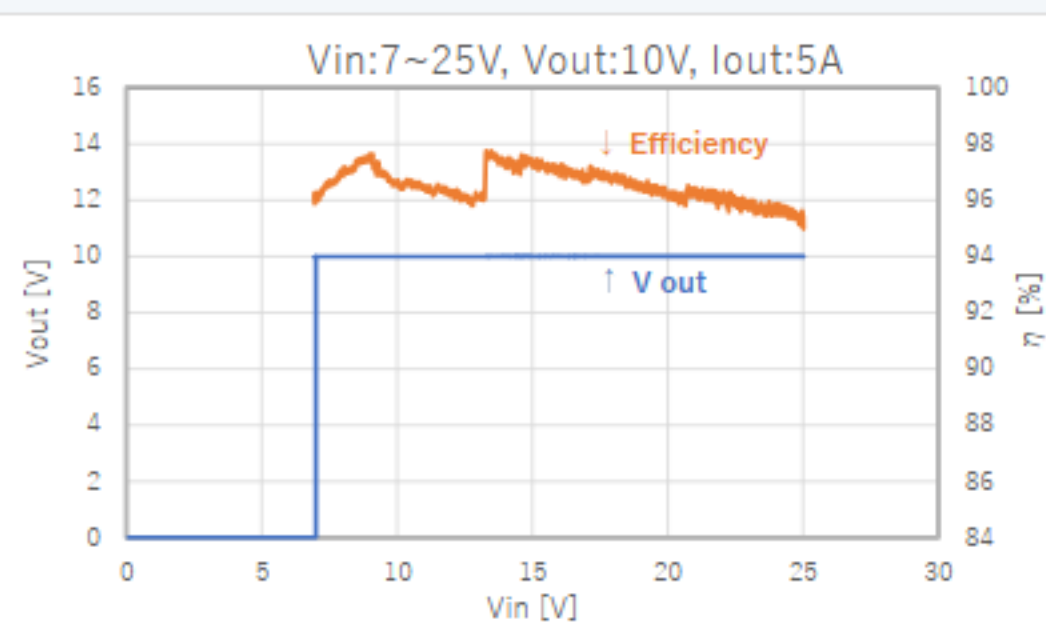
* The mounting option enables appropriate setting for the supercapacitor cell.
Please check the [instruction manual](#) for details.
Number of combinable supercapacitors in series: 3~12 series
(Under the condition that the maximum input voltage does not exceed 30V)

Dimension [mm]



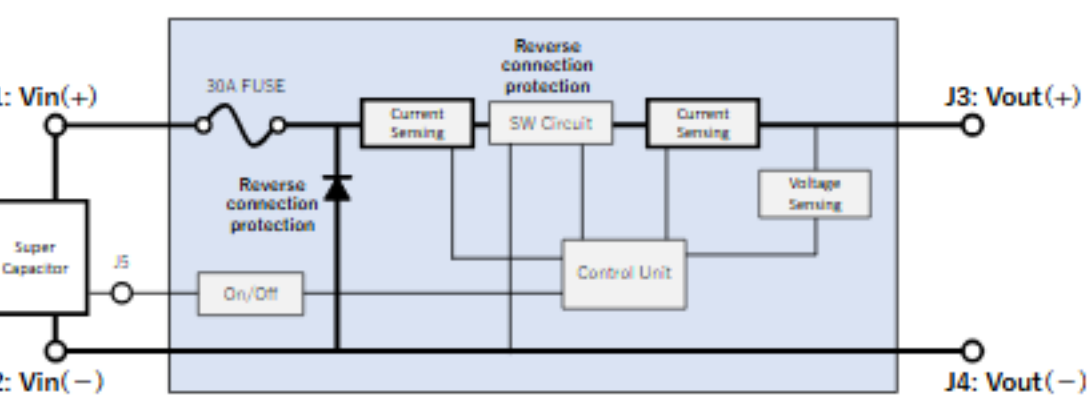
J1:Vin(+)
J2:Vin(-)
J3:Vout(+)
J4:Vout(-)
J5:On/Off

Operating Waveform

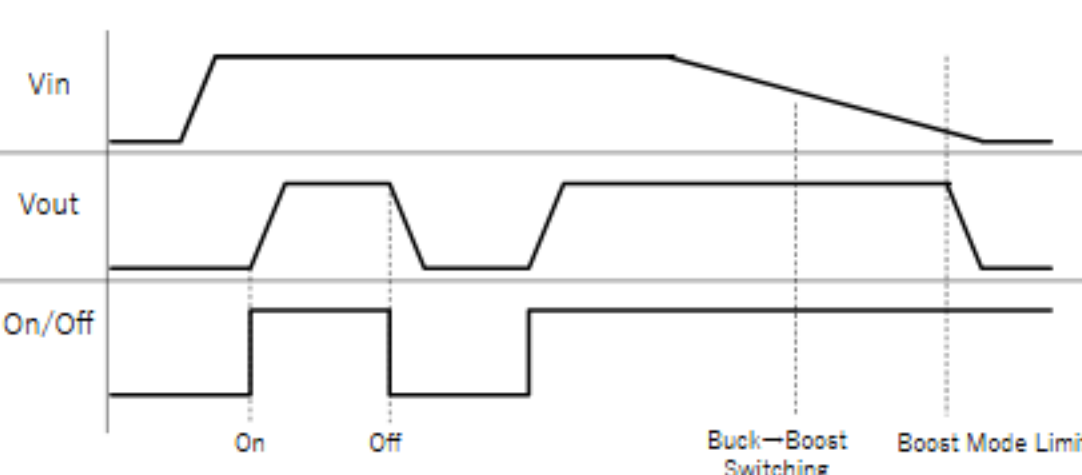


Operating conditions
Input: DC7~25V
Output: Electronic load CC5A
Environmental temperature: 25° C

Control Block Diagram



Sequence Chart



[Home](#) / [Products Lineup](#) / [Module](#) / [N3JXJ](#)

Products Lineup	Product Search/Purchase Samples	Aluminum Electrolytic Capacitors	Multilayer Ceramic Capacitors	Supercapacitors
	Metal Oxide Varistors	Inductors (Coils/Cores)	Camera Module	Wafer
	Module			

Products Lineup				Company/IR			
Product Search/Purchase Samples	>	Online Distributor Inventory Search	>	Aluminum Electrolytic Capacitors	>	News	>
Multilayer Ceramic Capacitors	>	Supercapacitors	>	Metal Oxide Varistors	>	Company	>
Inductors (Coils/Cores)	>	Camera Module	>	Wafer	>	Sustainability	>
Module	>	Discontinued Products	>			Investor Relations	>
						Material Procurement	>
Design Tools				Distributors			
SPICE/S parameters	>	Lifetime Estimation	>	in US			>
3D-CAD	>	Footprint	>	in Europe			>
Application guides	>	Reliability test data	>				
Downloads							
FAQ/Contact us							
Products FAQs	>	Products Inquiries	>				