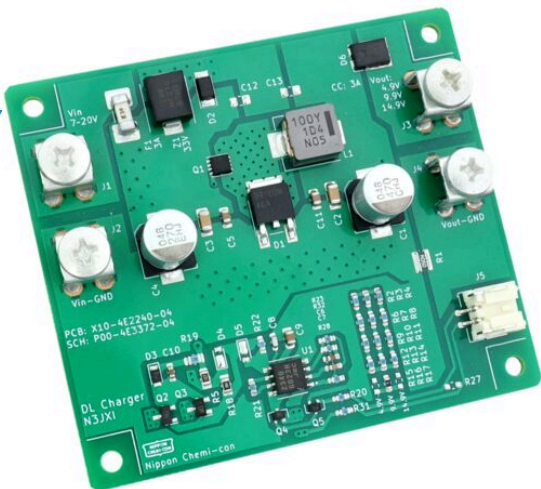


Products Lineup

Modules



Charging Module for Supercapacitor Evaluation

N3JXI

- For capacitor Evaluation
- Can be charged to 0V devices
- With protection circuit

This is a non-isolated charging module (DC/DC converter) that can be used when evaluating supercapacitors. It can be charged from 0V and stables the charging current.

It is equipped with protective features such as an output stop function linked to the cell overvoltage detection function.

Specification

Part Number		N3JXI
Status ?		Under Development
Compatible Modules		Supercapacitors 6-unit Module MDKA150S8R3PE6111A
Size D×W×H		65×75×14mm
Reference Weight ?		35g
Operating temperature range		-40～+70°C
Storage temperature range		-40～+85°C
Cooling Method		Natural Air Cooling
Protective Features		Over Voltage/Over Current, Reverse Voltage, Reverse Current, Power Input Surge
Included parts		Wire harness for signal control (Length: 150mm)
Input	Voltage Range	17～22V*
	Current	3A max.
	Efficiency	89% max.
Output	Voltage (Fixed Output)	14.9V*
	Current	CC 3A
	Current Accuracy	±5%
	Ripple Voltage	p-p 50mV max.

* The mounting option enables appropriate setting for the supercapacitor cell.

Please check the [instruction manual](#)  for details.

Outline of mounting options

2 supercapacitor cells in series - Input voltage: 7～22V, Output voltage: 4.9V

4 supercapacitor cells in series - Input voltage: 12～22V, Output voltage: 9.9V

Stock at Distributors

Distributors	Stock quantity	Buy
Sold out		

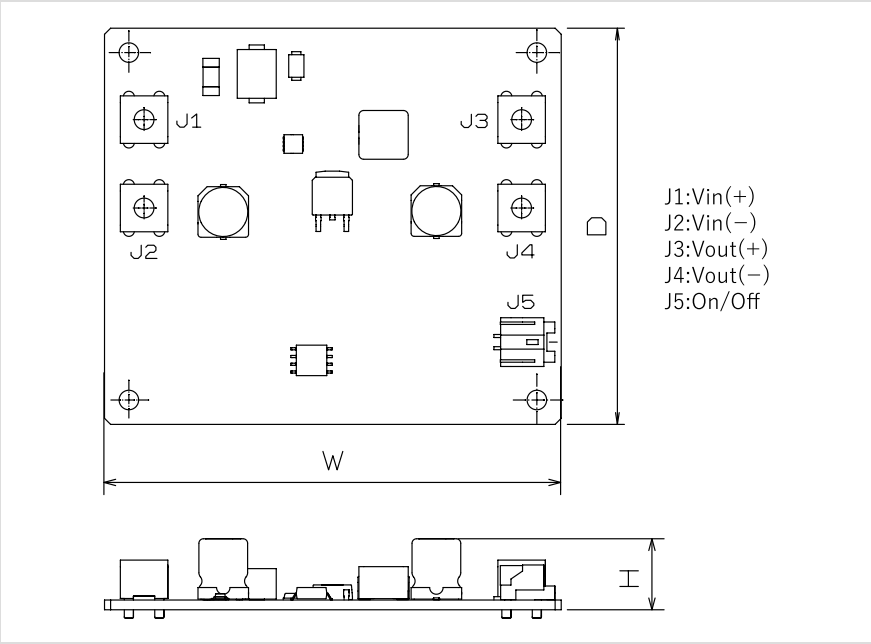
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Design Tools・Documents

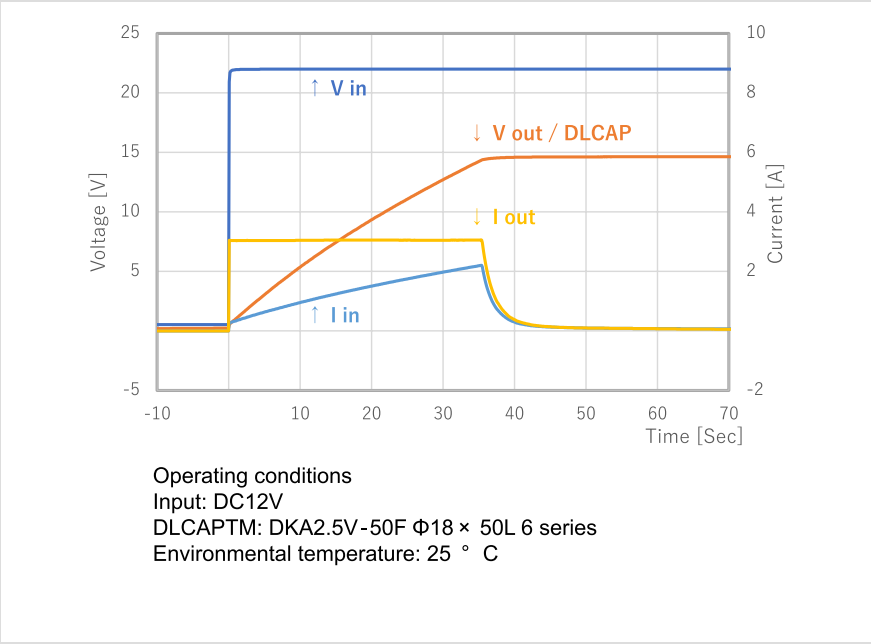


Instruction Manual

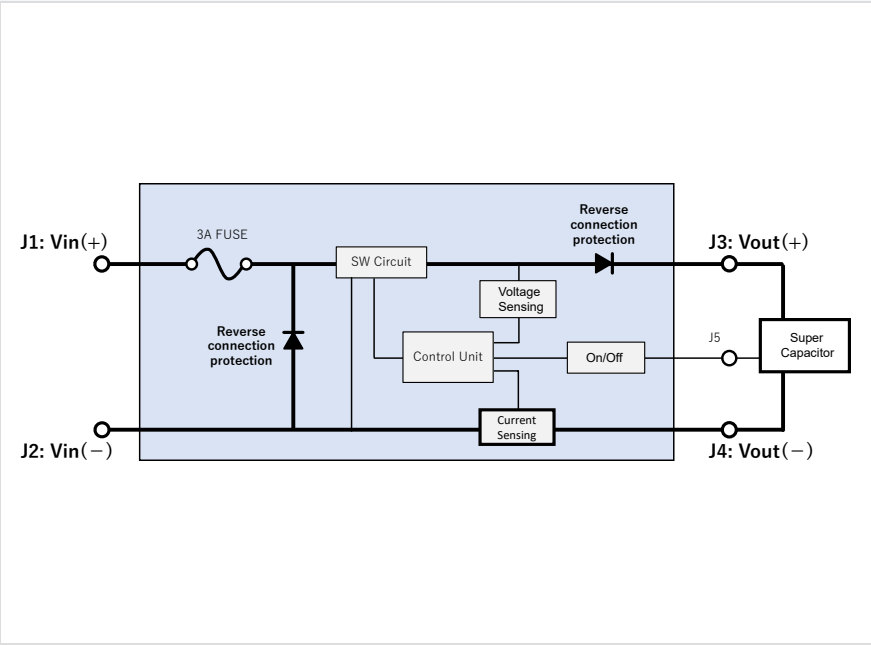
Dimension [mm]



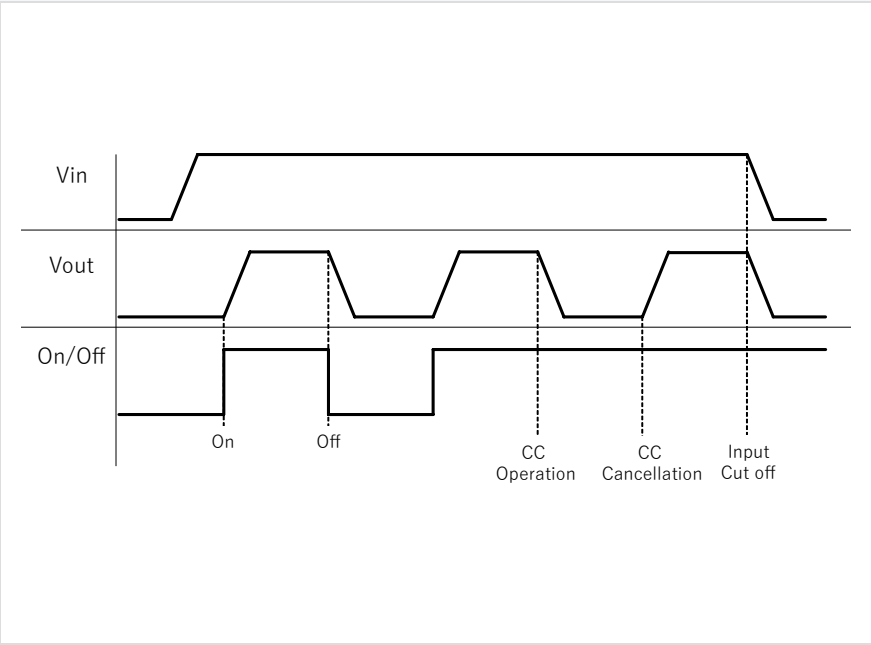
Operating Waveform



Control Block Diagram



Sequence Chart



[Home](#) / [Products Lineup](#) / [Module](#) / [N3JXI](#)

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
Design Tools			Distributors	Material Procurement
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		