

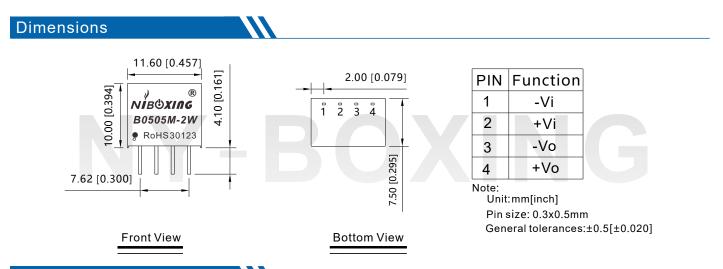
2W, Fixed input voltage, isolated & unregulated single output



FEATURES

- ★ Compact size, high power density
- ★ Operating temperature range: -40°C to +85°C
- ★ No-load input current as low as 5mA
- ★ I/O isolation test voltage 1.5K VDC
- ★ Low ripple & noise
- ★ RoHS Compliant
- ★ Industrial grade, high reliability

BxxxxM-2W series are specially designed for applications where an isolated voltage is required in a distributed power supply system. They are suitable for: pure digital circuits, low frequency analog circuits, relay-driven circuits and data switching circuits.



nput Voltage (VDC)	Nominal Output Voltage and Current	Efficiency (%)(Typ.) @ Full Load	Output Current	Max. Capacitive
(VDC)	and Current	@ Eull Lood		
			(mA)(Min.)	Load(µF)
	3.3V/600mA	83%	60mA	24uF
	5V/400mA	88%	40mA	20uF
2.97~3.63V	9V/222mA	89%	22mA	10uF
(Typ: 3.3VDC)	12V/166mA	89%	17mA	5.6uF
	15V/133mA	89%	13mA	5.6uF
	24V/83mA	89%	8mA	2.2uF
	3.3V/600mA	83%	60mA	24uF
	5V/400mA	88%	40mA	20uF
4.5~5.5V	9V/222mA	89%	22mA	10uF
(Typ: 5VDC)	12V/166mA	89%	17mA	5.6uF
	15V/133mA	89%	13mA	5.6uF
	24V/83mA	89%	8mA	2.2uF
	(Typ: 3.3VDC) 4.5~5.5V	2.97~3.63V (Typ: 3.3VDC) (Typ: 3.3VDC) 24V/83mA 3.3V/600mA 4.5~5.5V (Typ: 5VDC) 22V/166mA 15V/133mA	5V/400mA88%2.97~3.63V9V/222mA89%(Typ: 3.3VDC)12V/166mA89%15V/133mA89%24V/83mA89%3.3V/600mA83%5V/400mA88%5V/400mA88%(Typ: 5VDC)12V/166mA89%15V/133mA89%	2.97~3.63V5V/400mA88%40mA2.97~3.63V9V/222mA89%22mA(Typ: 3.3VDC)12V/166mA89%17mA15V/133mA89%13mA24V/83mA89%8mA3.3V/600mA83%60mA5V/400mA88%40mA4.5~5.5V9V/222mA89%22mA15V/133mA4.5~5.5V9V/222mA12V/166mA89%17mA15V/133mA89%13mA

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BxxxxM-2W Series

B1203M-2W		3.3V/600mA	83%	60mA	24uF
B1205M-2W		5V/400mA	88%	40mA	20uF
B1209M-2W	10.8~13.2V	9V/222mA	89%	22mA	10uF
B1212M-2W	(Typ: 12VDC)	12V/166mA	89%	17mA	5.6uF
B1215M-2W		15V/133mA	89%	13mA	5.6uF
B1224M-2W		24V/83mA	89%	8mA	2.2uF
B1503M-2W		3.3V/600mA	83%	60mA	24uF
B1505M-2W		5V/400mA	88%	40mA	20uF
B1509M-2W	13.5~16.5V (Typ: 15VDC)	9V/222mA	89%	22mA	10uF
B1512M-2W		12V/166mA	89%	17mA	5.6uF
B1515M-2W		15V/133mA	89%	13mA	5.6uF
B1524M-2W		24V/83mA	89%	8mA	2.2uF
B2403M-2W		3.3V/600mA	83%	60mA	24uF
B2405M-2W		5V/400mA	88%	40mA	20uF
B2409M-2W	21.6~26.4V (Typ: 24VDC)	9V/222mA	89%	22mA	10uF
B2412M-2W		12V/166mA	89%	17mA	5.6uF
B2415M-2W		15V/133mA	89%	13mA	5.6uF
B2424M-2W		24V/83mA	89%	8mA	2.2uF

Output Specifications

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Item	Operating Conditions	Min	Тур	Мах
Output Power		0.1W		2W
Output Voltage Accuracy	100% load	-7.5%		+2.5%
Line Regulation	Input voltage change: ±1%		±1.5%	
Load Regulation	10%~100% Load		15%	20%
Ripple & Noise*	20MHz bandwidth (peak-to-peak value)		75mV	100mV
Temperature Drift Coefficient	100% load			±0.03%/°C
Note: *Ripple and noise tested with "p	parallel cable" method, please see DC-DC	Converter Application	Notes for specific ope	ration methods.

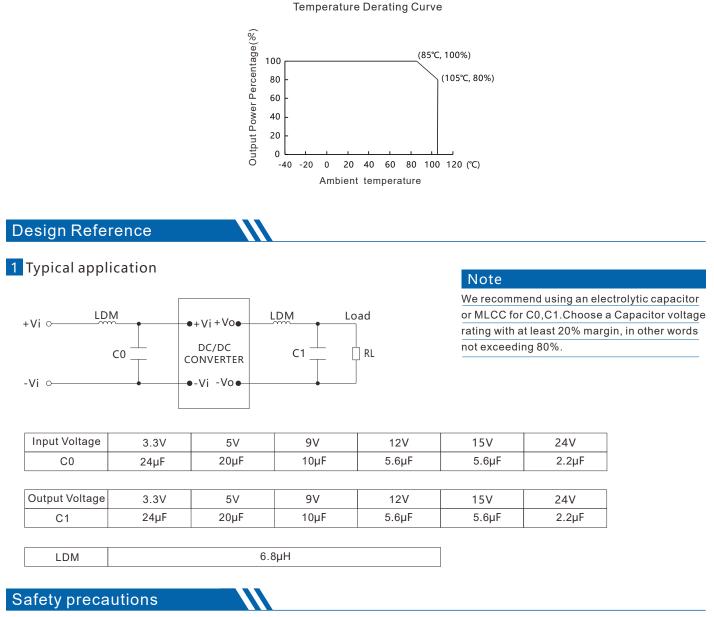
General Specifications					
ltem	Operating Conditions	Min	Тур	Мах	
Insulation Voltage	Input-Output, Test for 1min		1500VDC		
Operating Temperatur	e	-40°C		+85°C	
Storage Temperature		-40°C		+125°C	
Storage Humidity				95%RH	
Working Frequency			100KHz		
MTBF	MIL-HDBK-217F, 25°C		3500,000h		
Casing Material	Black flame-retardant and heat-resistant plastic (UL94-V0)				

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R NIBOXING DC/DC BxxxxM-2W Series

Product Characteristic Curve



1. If the product is not operated within the required load range, the product performance cannot be guaranteed to comply with all parameters in the datasheet;

2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25℃, humidity<75% with nominal input voltage and rated output load;

3. All index testing methods in this datasheet are based on our Company's corporate standards;

4. We can provide product customization service, please contact our technicians directly for specific information;

5. For more product information, please visit our official website www.gzny-boxing.com or email us (sales@gzny-boxing.com).

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