

Typical Performance

FEATURES

- Fixed Input, isolation, unregulated output, single output, 2W
- Isolation voltage: 1000VDC
- SIP package
- Efficiency : up to 80%
- Working temperature -40°C ~ +85°C
- MTBF ≥ 35x10⁵Hrs
- Industry standard pinout
- No heat sink required
- No external component required
- In line with RoHS codes
- Line regulation (for Vin change of ±1%): ±1.2%(max)
- Load regulation (10%-100% load) : 15%
- Ripple and noise (20MHz Band width) < 75mVp-p
- Temperature drift (100% full load): ±0.03%/°C (max)
- Switching Frequency (Full load, nominal input): 70KHz (typ)
- Storage Temperature: -55°C ~ +125°C
- Isolation Resistance: 1000MΩ/1min
- Cooling: Free air convection



3-Years Product Warranty

Product Program

Part #	Input voltage range	Nominal output voltage / output current						Efficiency (%, typ)
		VO1			VO2			
		Voltage (VDC)	Min (mA)	Max (mA)	Voltage (VDC)	Min (mA)	Max (mA)	
B0303S-2W	3.3V (3~3.6V)	3.3		400				73
B0305S-2W		5		400				78
B0503S-2W	5V (4.5~5.5VDC)	3.3		400				74
B0505S-2W		5		400				81
B0509S-2W		9		222				84
B0512S-2W		12		167				83
B0515S-2W		15		133				84
B0524S-2W		24		83				82
B1205S-2W	12 V (10.8~13.2VDC)	5		400				81
B1209S-2W		9		222				82
B1212S-2W		12		167				85

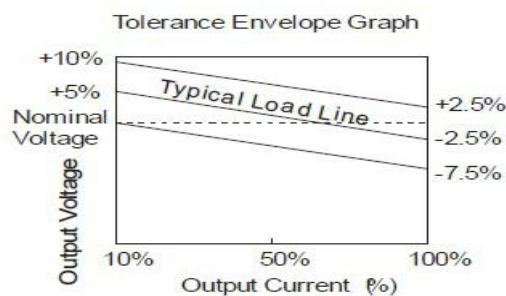
B1215S-2W		15		133				82
B1224S-2W		24		83				84
B1505S-2W	15V(13.5~16.5VDC)	5		400				80
B1515S-2W		15		133				80
B2403S-2W	24V (21.6~26.4VDC)	3.3		400				76
B2405S-2W		5		400				80
B2409S-2W		9		222				83
B2412S-2W		12		167				84
B2415S-2W		15		133				84
B2424S-2W		24		84				84

□ Shows the nominal value of input voltage,due to space limitations ,the above list is only for some products,If other than a list of products, please contact the Company's sales department.

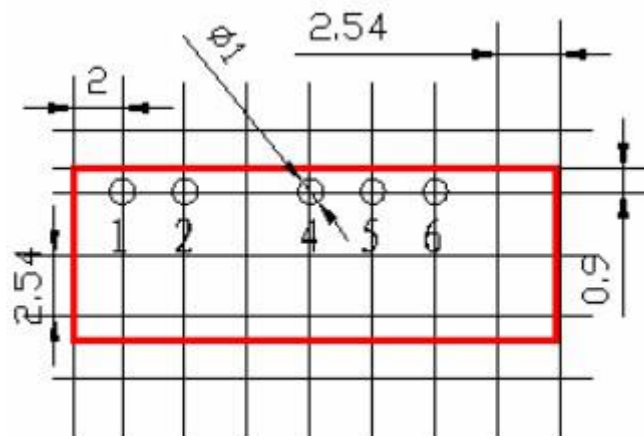
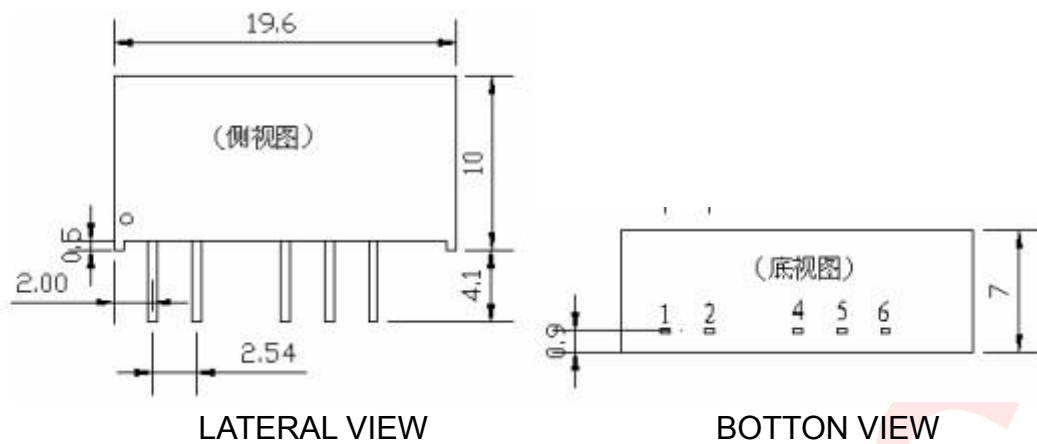
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
B_S-2W	19.5*7*10.0	

Typical Temperature Curve



Mechanical Dimension

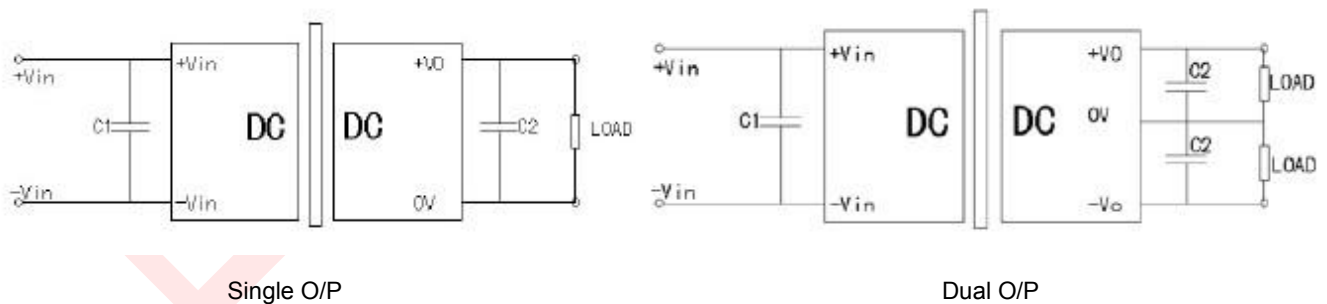


UNIT:mm

Pin Assignment

PIN	1	2	4	5	6			
Single output	Vin	GND	0V	NO PIN	+Vo			

Recommend Circuit



C1、C2 select

INPUT VOLTAGE	C1	DUAL O/P VOLTAGE	C2	SINGLE O/P VOLTAGE	C2
5VDC	4.7uF	±5VDC	4.7uF	3.3VDC	10uF
12VDC	2.2uF	±9VDC	2.2uF	5VDC	10uF
24VDC	1uF	±12VDC	1uF	9VDC	4.7uF
---	---	±15VDC	1uF	12VDC	2.2uF

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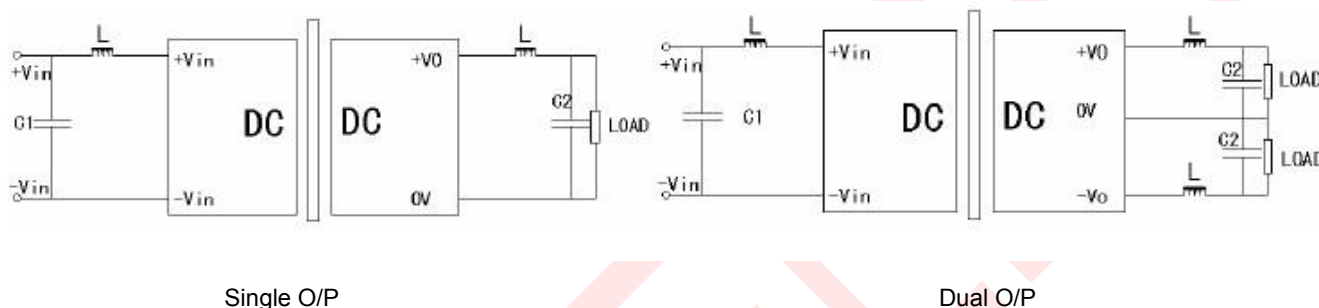
Application Note

(1)Pls don't use under no load: when the load power is less than 10% of the rated power ,we advise to connect the resistance following the output or the selection the smaller rated power module,for the resistance,the value is 5~10% of the rated power,resistance= $U_2 / (10\% \times 2W)$

(2)Pls don't connect the excessive capacitor in external circuit :output connects C2's value can't be too big,, otherwise easily lead to module startup flow or poor starting,

According to the external table to select the capacitance

(3)For the ripple&noise with higher requirements ,we advise to connect the LC filter, the frequency of LC filter is far smaller than the DC / DC module switching frequency, prevent mutual interference, resulting in increased the ripple damage the power module,pls see below



*Note: The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.