

Typical Performance

FEATURES

- Fixed Input, isolation, regulated output, single output, 2W
- Isolation voltage: 1000VDC
- SIP package
- Efficiency :up to 80%
- Working temperature -40℃~+85℃
- MTBF≥35x10⁵Hrs
- Industry standard pinout
- No heat sink required
- No external component required
- In line with RoHS codes
- Line regulation (for Vin change of ±5%): ±0.5%(max)
- Load regulation (10%-100% load) :1.5%
- Ripple(20MHz Band width) <30mVp-p, noise(20MHz Band width)<150mVp-p
- Temperature drift(100% full load):±0.03%/℃(max)
- Switching Frequency(Full load, nominal input):100Khz(typ)
- Storage Temperature:-55℃~+125℃
- Isolation Resistance:1000MΩ/1min
- Isolation capacitance:130Pf(typ)
- Cooling:Free aire 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)	
IB0505S-2W	5V(4.75~5.25VDC)	5		400				70
IB0512S-2W		12		167				70
IB0524S-2W		24		83				70
IB1205S-2W	12V(11.4~12.6VDC)	5		400				70
IB1209S-2W		9		222				72
IB1212S-2W		12		167				70
IB1224S-2W		24		83				72
IB1505S-2W	15V(14.25~15.75VDC)	5		400				71
IB1512S-2W		12		167				72
IB1524S-2W		24		84				72

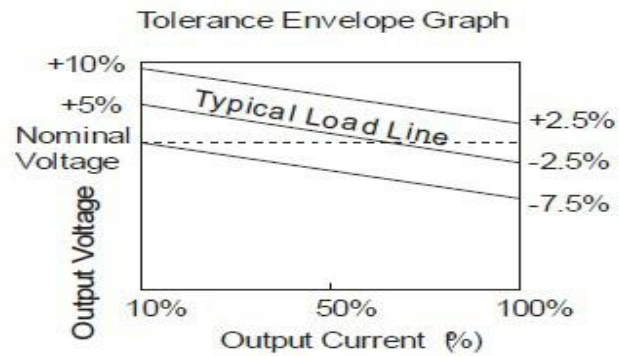
IB2405S-2W	24V(22.8~25.2)	5		400				71
IB2412S-2W		12		167				72
IB2424S-2W		24		84				72

- 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.

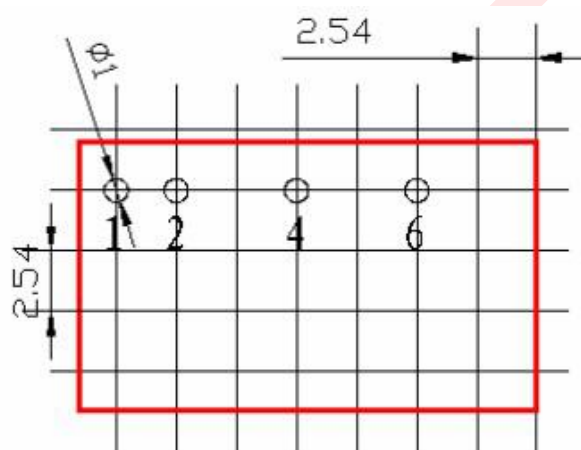
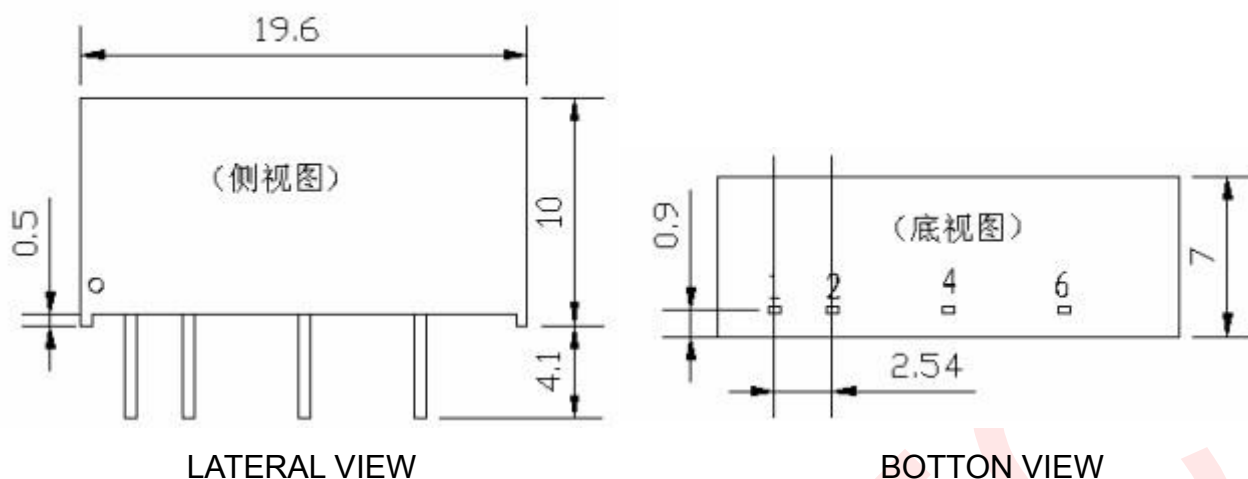
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
IB_LS-2W	19.5*7*10	

Typical Temperature Curve



Mechanical Dimension

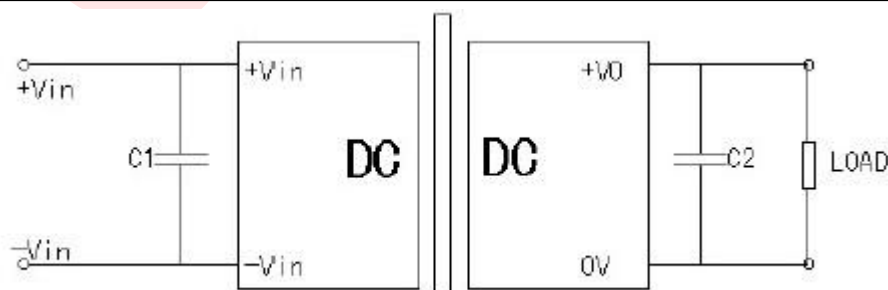


UNIT:mm

Pin Assignment

PIN	1	2	4	6						
Single output	Vin	GND	0V	+Vo						

Recommend Circuit



C1、C2 select

INPUT VOLTAGE(S)	C1	INPUT VOLTAGE(D)	C2
Single O/P			
5VDC	4.7uF	5VDC	4.7uF

12VDC	2.2 uF	9VDC	4.7 uF
15VDC	1 uF	12VDC	2.2 uF
24VDC	0.47 uF	24VDC	0.47 uF

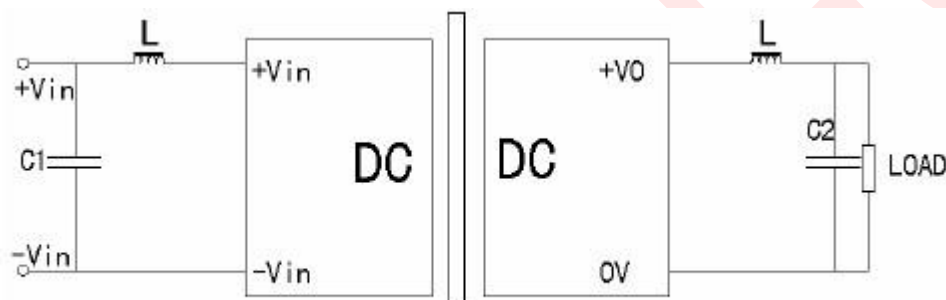
Application Note

(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= $U_2 / (10\% \times 1W)$

(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



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