

Typical Performance

FEATURES

- Fixed Input, isolation, unregulated output,dual 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 ±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%/℃(max)
- Switching Frequency(Full load,nominal input):70Khz(typ)
- Storage Temperature:-55℃~+125℃
- Isolation Resistance:1000MΩ/1min
- Cooling:Free aire convection



3-Years Product Warranty

Product Program

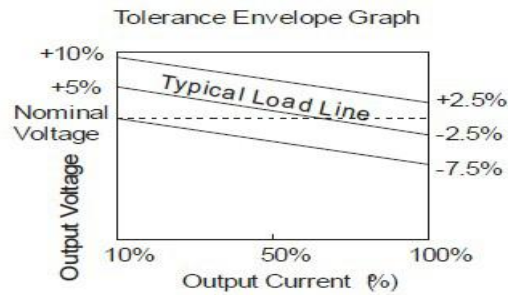
Part #	Input voltage range	Nominal output voltage / output current						Efficiency (%, typ)
		VO1			VO2			
		Voltage (VDC)	Min (mA)	Max (mA)	Voltage (VDC)	Min (mA)	Max (mA)	
D050505S-2	5V（4.5~5.5VDC）	5/5	200/20					80
D050909S-2		9/9	111/111					82
D051212S-2		12/12	83/83					82
D051515S-2		15/15	67/67					83
D120505S-2	12 V（10.8~13.2VDC）	5/5	200/20					80
D120909S-2		9/9	111/111					83
D121212S-2		12/12	83/83					85
D121515S-2		15/15	67/67					83
D240505S-2	24V（21.6~26.4VDC）	5/5	200/20					81
D240909S-2		9/9	111/111					82
D241212S-2		12/12	83/83					84
D241515S-2		15/15	67/67					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.

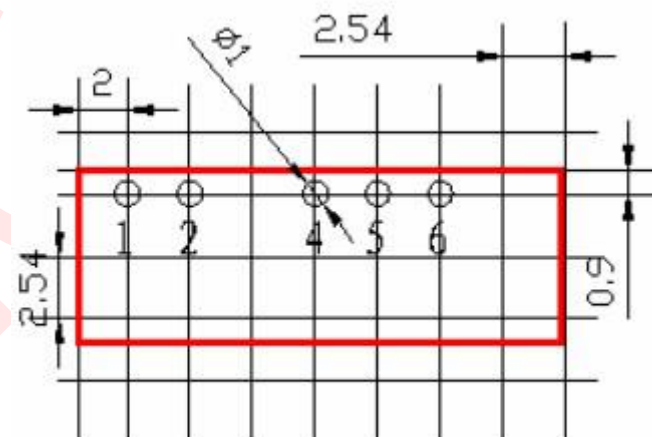
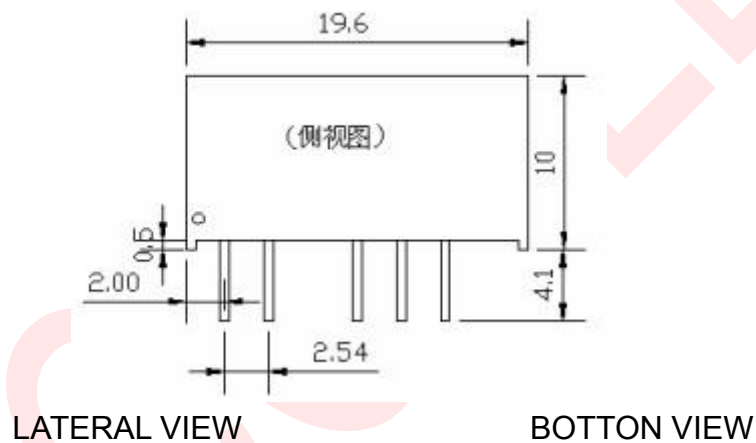
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
D_S-2W	19.50*7*10.	

Typical Temperature Curve



Mechanical Dimension



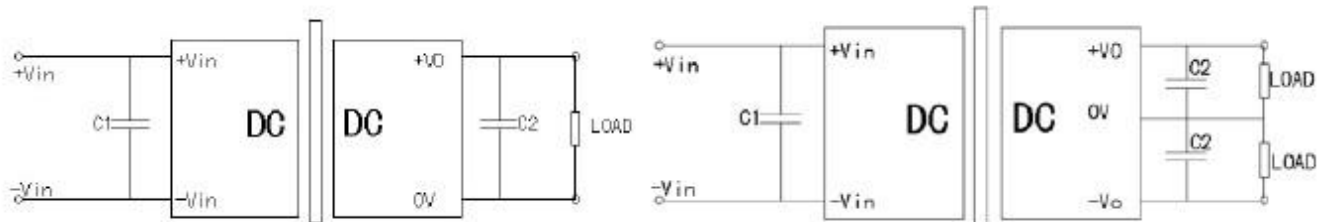
Recommended PCB Layout

UNIT:mm

Pin Assignment

PIN	1	2	4	5	6	7		
Isolation dual output	Vin	GND	0V	+Vo1	0V2	+Vo2		

Recommend Circuit



Single O/P

Dual O/P

C1、C2 select

INPUT VOLTAGE	C1	DUAL O/P VOLTAGE	C2		
5VDC	4.7uF	5VDC	4.7uF		
12VDC	2.2uF	9VDC	2.2uF		
24VDC	1uF	12VDC	1uF		
		15VDC	0.47uF		
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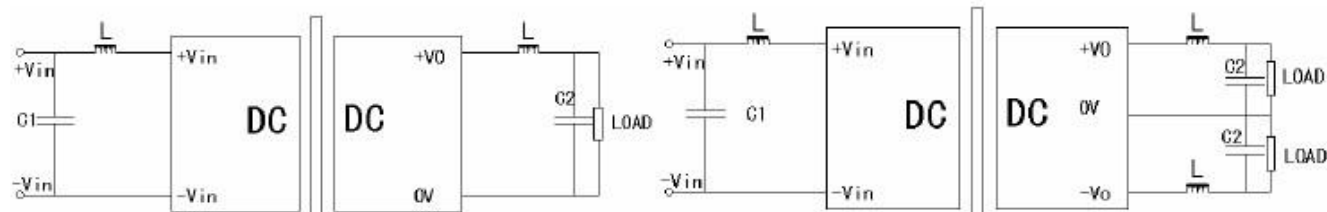
Application Note

(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



Single O/P

Dual O/P

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