

Typical Performance

FEATURES

- Fixed Input, isolation, regulated 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 ±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 converction



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)	
IA0505S-2W	5V(4.75~5.25VDC)	±5	±200					54
IA0509S-2W		±9	±111					63
IA0512S-2W		±12	±83					63
IA0515S-2W		±15	±67					65
IA1205S-2W	12V(11.4~12.6VDC)	±5	±200					56
IA1209S-2W		±9	±111					62
IA1212S-2W		±12	±83					65
IA1215S-2W		±15	±67					66
IA2405S-2W	24V(22.8~25.2VDC)	±5	±200					54
IA2409S-2W		±9	±111					62

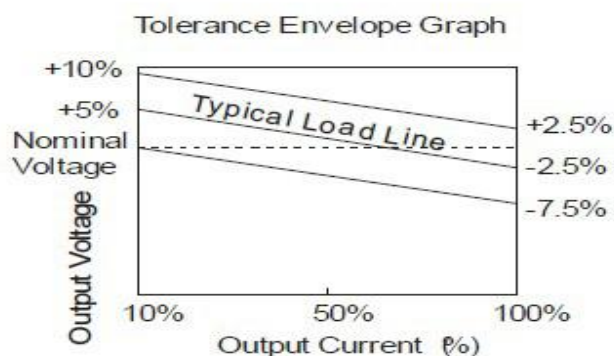
IA2412S-2W		±12	±83					64
IA2415S-2W		±15	±67					66
IA2424S-2W		±24	±40					66

- 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.

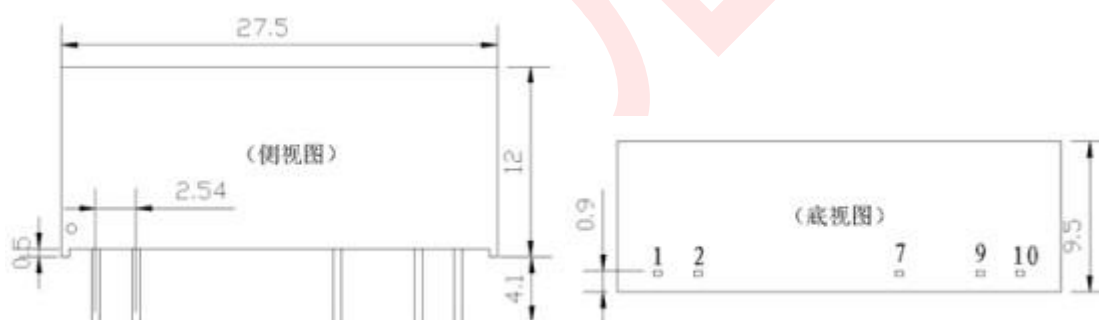
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
IA_S-2W	27.5*12*9.5	

Typical Temperature Curve

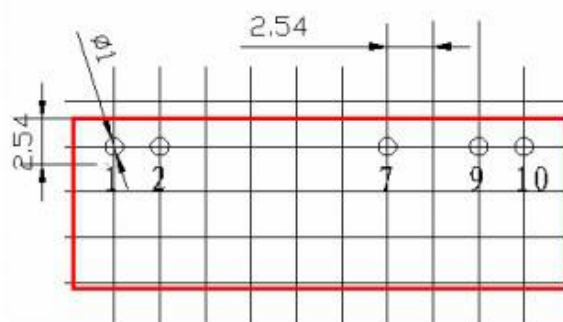


Mechanical Dimension



LATERAL VIEW

BOTTOM VIEW



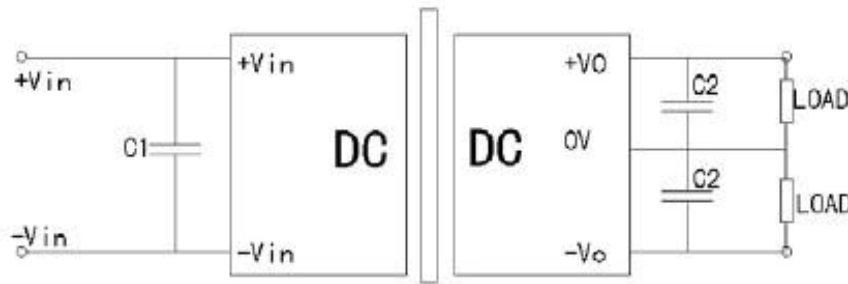
Recommended PCB Layout

UNIT:mm

Pin Assignment

PIN	1	2	7	9	10					
Dual output	Vin	GND	+Vo	-Vo	0V					

Recommend Circuit



C1、C2 select

INPUT VOLTAGE(S)	C1	INPUT VOLTAGE(D)	C2
Dual O/P			
5VDC	4.7uF	±5 VDC	4.7uF
12VDC	2.2uF	±9 VDC	2.2 uF
24VDC	1uF	±12 VDC	1 uF
---	---	±15 VDC	0.47 uF

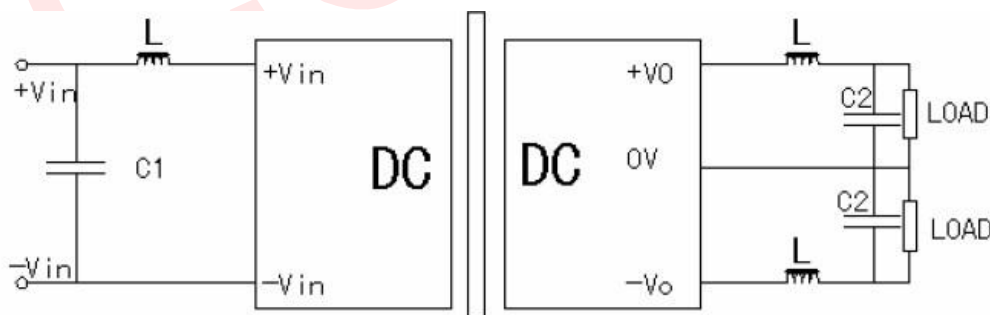
Application Note

(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.