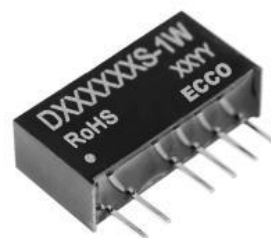


Typical Performance

FEATURES

- Fixed Input, isolation,unregulated output,dual output,1W
- 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):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)	
D050505S-1	5V(4.5~5.5VDC)	5/5	100/10					70
D050909S-1		9/9	56/56					76
D051212S-1		12/12	42/42					77
D051515S-1		15/15	33/33					78
D120505S-1	12V(10.8~13.2VDC)	5/5	100/10					72
D120909S-1		9/9	56/56					78
D121212S-1		12/12	42/42					78
D121515S-1		15/15	33/33					80
D240505S-1	24V(21.6~26.4VDC)	5/5	100/10					71
D240909S-1		9/9	56/56					74

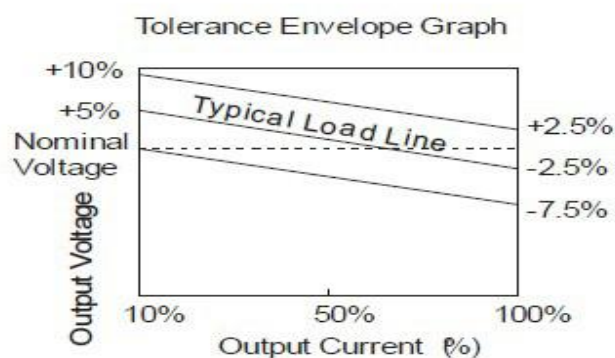
D241212S-1		12/12	42/42					76
D241515S-1		15/15	33/33					76

- 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.

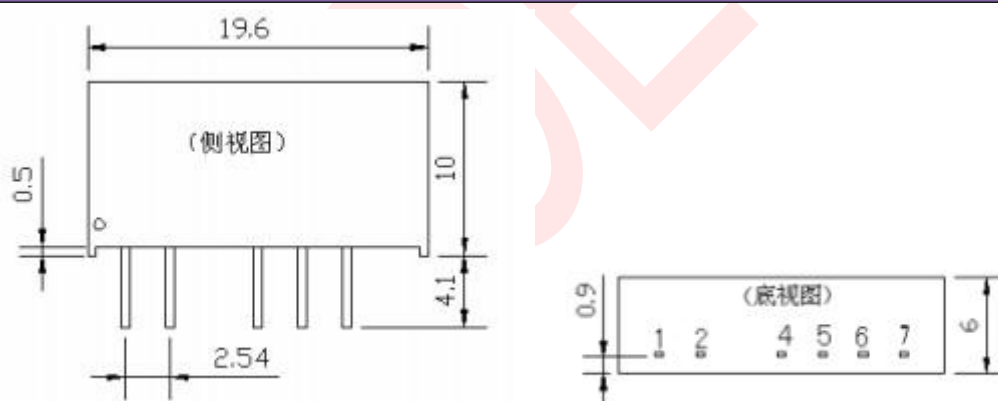
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
D_S-1W	19.5*6.0*10.0	

Typical Temperature Curve

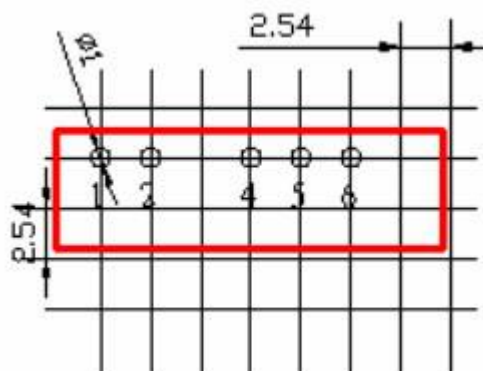


Mechanical Dimension



LATERAL VIEW

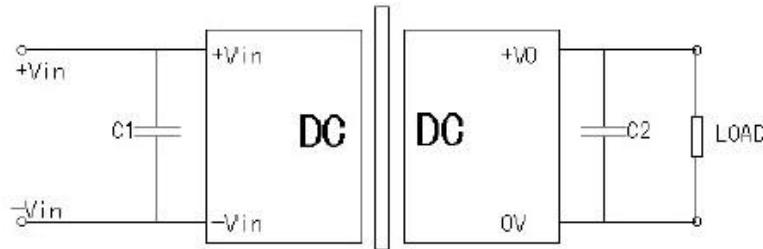
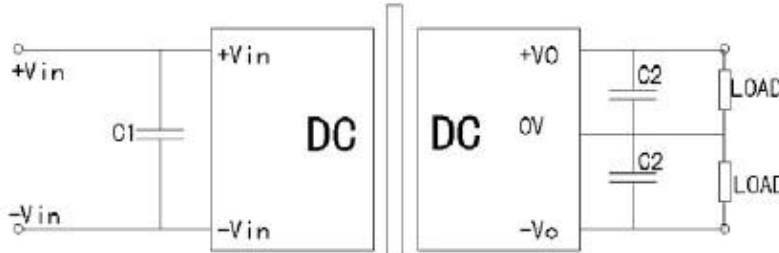
BOTTOM VIEW



Recommended PCB Layout

Pin Assignment

PIN	1	2	4	5	6	7				
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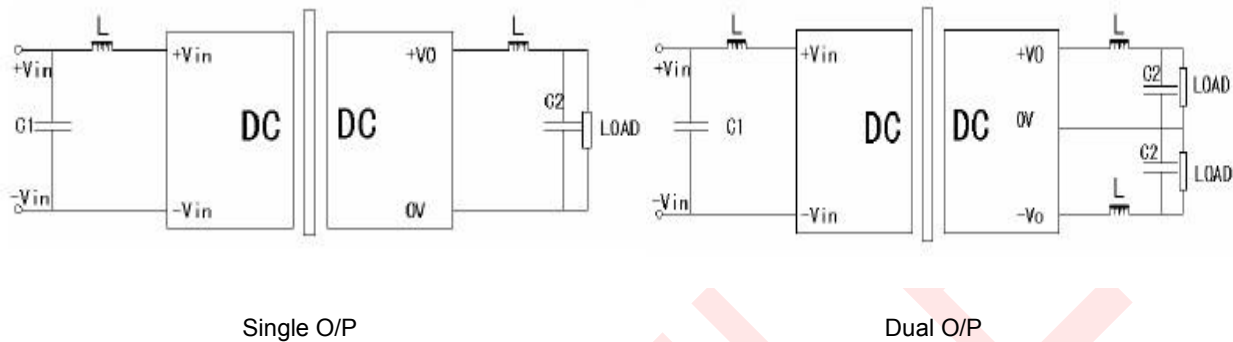
+Isolation dual ouput	Vin	GND	0V	+Vo1	0V2	+Vo2				
Recommend Circuit										
 Single O/P  Dual O/P										
C1、C2 select										
INPUT VOLTAGE	C1	DUAL OUTPUT VOLTAGE	C2							
5VDC	4.7uF	5VDC	4.7uF							
12VDC	2.2uF	9VDC	2.2uF							
24VDC	1uF	12VDC	1uF							
		15VDC	0.47uF							
Application 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, $\text{resistance} = U_2 / (10\% \times 1W)$

(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,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.