

1W series DC/DC converter

Typical Performance

⊙Fixed Input, isolation, Unregulated Output,1W

⊙Isolation voltage: 6000VDC

⊙SIP package

⊙Efficiency :up to 80%

⊙Working temperature -40℃~+85℃

⊙MTBF≥35x10⁵Hrs

⊙Industry standard pinout

⊙No heat sink required

⊙Medical application compliance

⊙In line with RoHS codes

⊙Line regulation (for Vin change of ±1%): ±1.2%(max)

⊙Load regulation (10%-100% load) :15%(max)

⊙Ripple and noise (20MHz Band width) 150mVp-p(typ)

⊙Temperature drift(100% full load):±0.03%/℃(max)

⊙Switching Frequency(100% Full load,nominal input(5V):250Khz(typ),12V:50Khz

⊙Storage Temperature:-55℃~+125℃

⊙Isolation Resistance:1000MΩ/1min

⊙Isolation capacitance:10pF(max)

⊙Cooling:Free aire convection



LN 1 XX S/D XX S6
① ② ③ ④ ⑤ ⑥

- ①Series name
- ②Output watt
- ③Normal input voltage
- ④S:Single output
D: Dual output
- ⑤Output voltage
- ⑥I/O isolation(S6:6KV)

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)	
LN1-05S05S6	5V（4.5~5.5VDC）	5	20	200				
LN1-05S09S6		9	11	110				
LN1-05S12S6		12	8	83				
LN1-05S15S6		15	6.8	68				
LN1-05D05S6		5	10	100	-5	10	100	
LN1-05D09S6		9	5.5	55	-9	5.5	55	
LN1-05D12S6		12	4	40	-12	4	40	
LN1-05D15S6		15	3.3	33	-15	3.3	33	

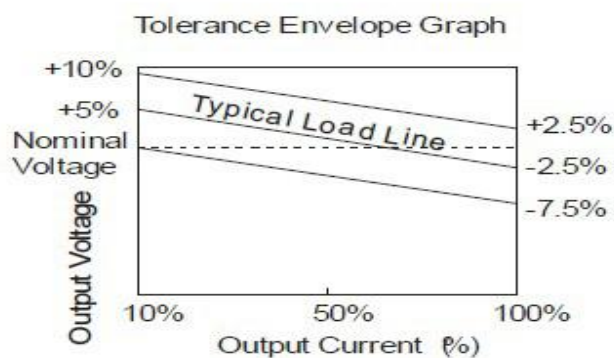
LN1-12S05S6	12 V (10.8~13.2VDC)	5	20	200				
LN1-12S09S6		9	11	110				
LN1-12S12S6		12	8	83				
LN1-12S15S6		15	6.8	68				
LN1-12D05S6		5	10	100	-5	10	100	
LN1-12D09S6		9	5.5	55	-9	5.5	55	
LN1-12D12S6		12	4	40	-12	4	40	
LN1-12D15S6		15	3.3	33	-15	3.3	33	
LN1-15S05S6	15V(13.5~16.5VDC)	5	20	200				
LN1-15S09S6		9	11	110				
LN1-15S12S6		12	8	83				
LN1-15S15S6		15	6.8	68				
LN1-15D05S6		5	10	100	-5	10	100	
LN1-15D09S6		9	5.5	55	-9	5.5	55	
LN1-15D12S6		12	4	40	-12	4	40	
LN1-15D15S6		15	3.3	33	-15	3.3	33	

- 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.

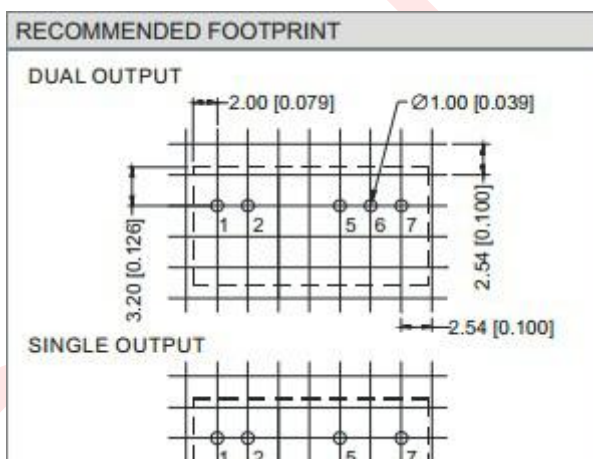
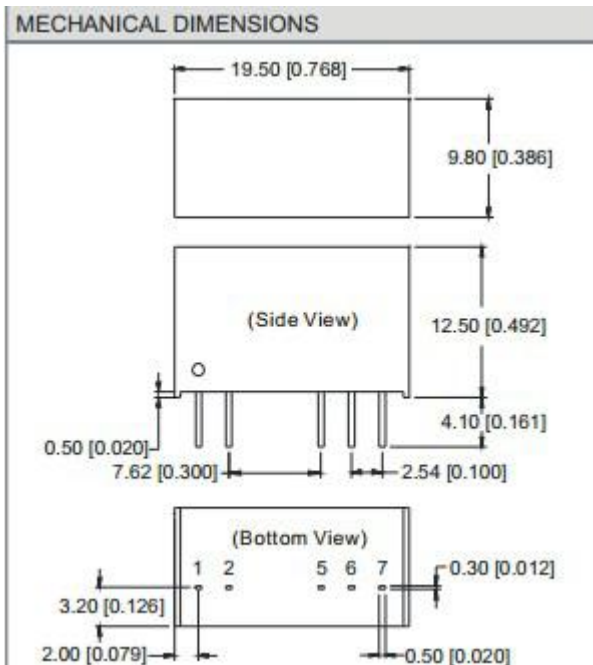
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
A	19.6*12*9.5	

Typical Temperature Curve



Mechanical Dimension



Pin Assignment

PIN									
Single output	Vin	GND	0V		+Vo				
Dual output	Vin	GND	-Vo	0V	+Vo				

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