

2W series DC/DC converter

Typical Performance

⊙ Fixed Input, isolation, Unregulated Output, 2W

⊙ Isolation voltage: 6000VDC

⊙ SIP package

⊙ Efficiency : up to 80%

⊙ Working temperature -40°C ~ +85°C

⊙ 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%/°C (max)

⊙ Switching Frequency(100% Full load, nominal input(5V): 45Khz(typ), 12V: 50Khz

⊙ Storage Temperature: -55°C ~ +125°C

⊙ Isolation Resistance: 1000MΩ/1min

⊙ Isolation capacitance: 10pF(max)

⊙ Cooling: Free air convection



LN 2 XX S/D XX S6
① ② ③ ④ ⑤ ⑥

- ① Series name
- ② Output watt
- ③ Normal input voltage
- ④ S: Single output
D: Dual output
- ⑤ Output voltage
- ⑥ I/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)	
LN2-05S05S6	5V（4.5~5.5VDC）	5	40	400				
LN2-05S09S6		9	22	220				
LN2-05S12S6		12	16	166				
LN2-05S15S6		15	13.6	136				
LN2-05D05S6		5	20	200	-5	20	200	
LN2-05D09S6		9	11	110	-9	11	110	
LN2-05D12S6		12	8	83	-12	8	83	
LN2-05D15S6		15	6.8	68	-15	6.8	68	

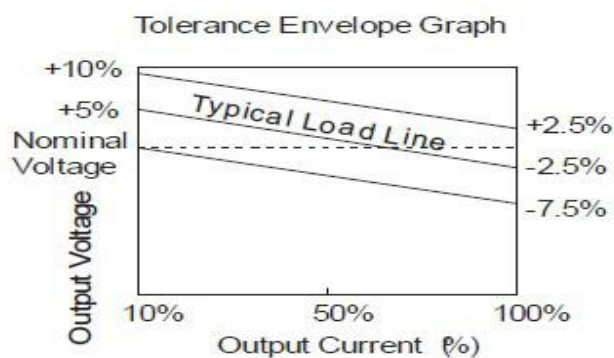
LN2-12S05S6	12 V (10.8~13.2VDC)	5	40	400				
LN2-12S09S6		9	22	220				
LN2-12S12S6		12	16	166				
LN2-12S15S6		15	13.6	136				
LN2-12D05S6		5	20	200	-5	20	200	
LN2-12D09S6		9	11	110	-9	11	110	
LN2-12D12S6		12	8	83	-12	8	83	
LN2-12D15S6		15	6.8	68	-15	6.8	68	
LN2-15S05S6	15V(13.5~16.5VDC)	5	40	400				
LN2-15S09S6		9	22	220				
LN2-15S12S6		12	16	166				
LN2-15S15S6		15	13.6	136				
LN2-15D05S6		5	20	200	-5	20	200	
LN2-15D09S6		9	11	110	-9	11	110	
LN2-15D12S6		12	8	83	-12	8	83	
LN2-15D15S6		15	6.8	68	-15	6.8	68	

- 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.

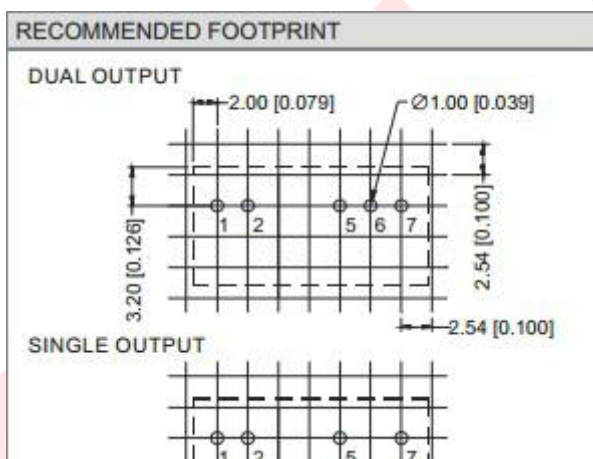
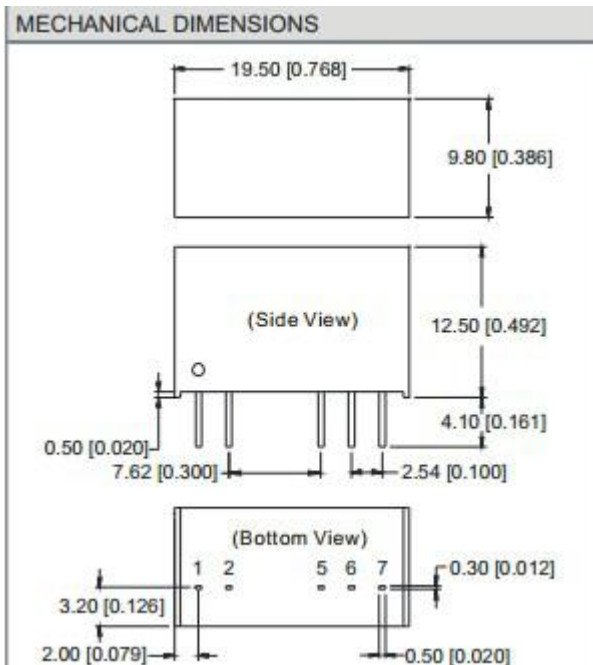
Mechanical Data

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

Typical Temperature Curve



Mechanical Dimension



Pin Assignment

PIN	1	2	5	6	7					
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.