

Typical Performance

FEATURES

- 2:1/4:1 Wide Input range
- 1500VDC I/O isolation
- No heat sink required
- Industry standard pinout
- Cooling by free air convection
- Plastics case
- Internal SMD construction
- Low cost / High reliability
- Continue short circuit protection
- DIP package



3-Years Product Warranty

Technology parameter Test condition:General Nominal Line,Tc=25°C , Rated resistant load unless other wise specified

Input Feature	Min	Nom	Max	Note
Input voltage(Vdc)	4.5	5	9	W 2:1
	10	12	18	W 2:1
	18	24	36	W 2:1
	36	48	72	W 2:1
	10	18	36	W 4:1
	18	36	72	W 4:1
Remote ON/OFF				Non

Output Feature

Voltage accuracy	Positive		±1.0%
	Negative		±3.0%
Line regulation	Input voltage from low to high		±0.2%
Load regulation	From 10% to 100% load		±0.5%
Ripple and noise	20MHz Bandwidth		150mVp-p(typ)
Temperature Regulation			±0.02%/°C

General Feature

Efficiency			80% typical
Switching frequency			300KHz
Operating temperature			-40℃ ~ +85℃
Storage temperature			-55℃~125℃
Max case temperature			25℃
Storage humidity			95%
Isolation resistance			1000MΩ
Isolation Voltage			1500VDC
Cooling			Nature Convection
Case Material			UL94-V0 (3W)
			Copper,nickel plated(4-6W)
MTBF		10X10 ⁵ Hrs	

Product Nomination Method

exam ple	L D 5 - 48 S 05 I						
	①	②	③	④	⑤	⑥	⑦
①	L:Wide voltage input: 2: 1				⑥	output voltage	
②	Power adaptation mode: D (DC-DC)				⑦	I: Dual Route output Isolate	
③	Output power(W)					W: Super Wide input voltage	
④	Normal input voltage						
⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output						

Product Program

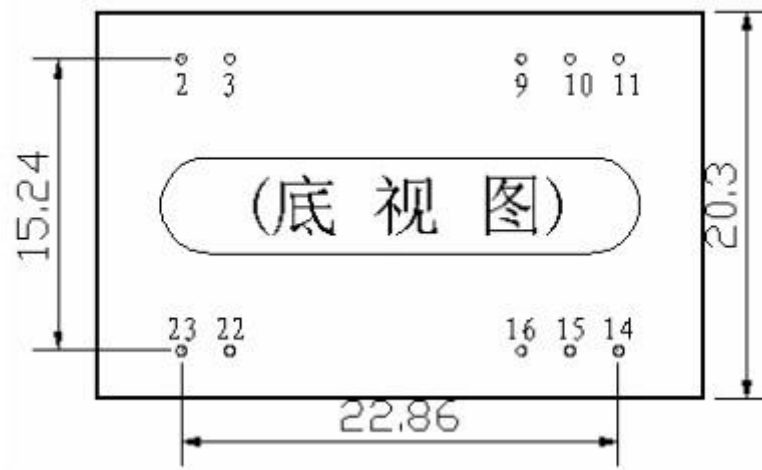
PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	A	V	A
LD3-05S05A	5V(4.5~9V)	5	600				
LD3-05S12A		12	250				
LD3-05S15A		15	200				
LD3-05S24A		24	125				
LD3-05D05A		+5	300	-5	300		
LD3-05D12A		+12	125	-12	125		
LD3-05D15A		+15	100	-15	100		
LD3-05D24A		+24	62.5	-24	62.5		

LD3-12S05A	12V(9~18V)	5	600				
LD3-12S12A		12	250				
LD3-12S15A		15	200				
LD3-12S24A		24	125				
LD3-12D05A		+5	300	-5	300		
LD3-12D12A		+12	125	-12	125		
LD3-12D15A		+15	100	-15	100		
LD3-12D24A		+24	62.5	-24	62.5		
LD3-18S05A	18V(9~36V)	5	600				
LD3-18S12A		12	250				
LD3-18S15A		15	200				
LD3-18S24A		24	125				
LD3-18D05A		+5	300	-5	300		
LD3-18D12A		+12	125	-12	125		
LD3-18D15A		+15	100	-15	100		
LD3-18D24A		+24	62.5	-24	62.5		
LD3-24S05A	24V(18~36V)	5	600				
LD3-24S12A		12	250				
LD3-24S15A		15	200				
LD3-24S24A		24	125				
LD3-24D05A		+5	300	-5	300		
LD3-24D12A		+12	125	-12	125		
LD3-24D15A		+15	100	-15	100		
LD3-24D24A		+24	62.5	-24	62.5		
LD3-36S05A	36V(18~72V)	5	600				
LD3-36S12A		12	250				
LD3-36S15A		15	200				
LD3-36S24A		24	125				
LD3-36D05A		+5	300	-5	300		
LD3-36D12A		+12	125	-12	125		
LD3-36D15A		+15	100	-15	100		
LD3-36D24A		+24	62.5	-24	62.5		
LD3-48S05A	48V(36~72V)	5	600				
LD3-48S12A		12	250				
LD3-48S15A		15	200				

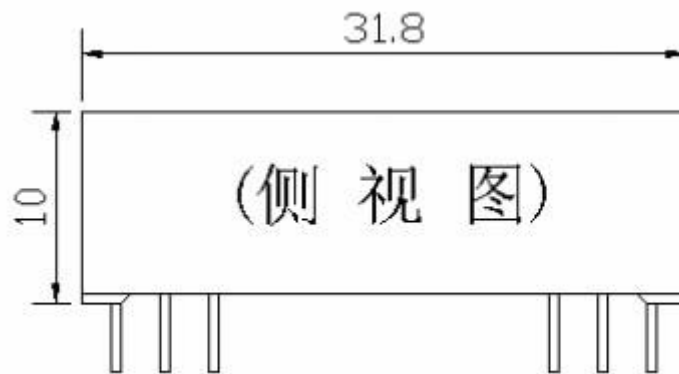
LD3-48S24A		24	125				
LD3-48D05A		+5	300	-5	300		
LD3-48D12A		+12	125	-12	125		
LD3-48D15A		+15	100	-15	100		
LD3-48D24A		+24	62.5	-24	62.5		

Mechanical Dimensions

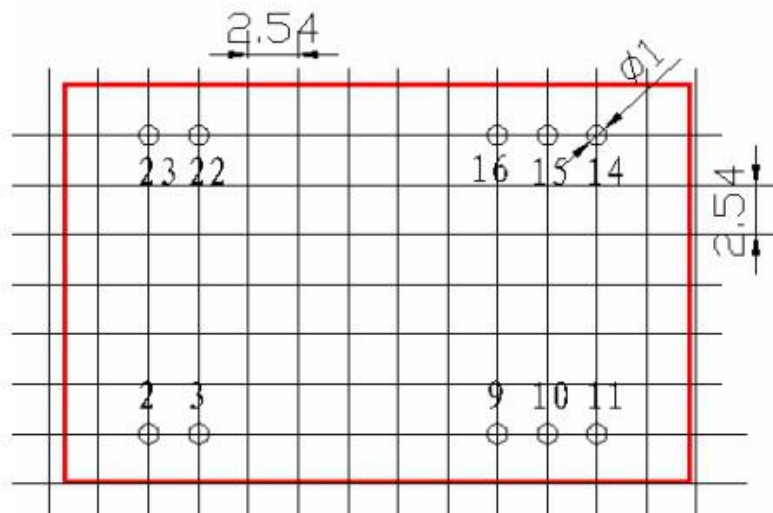
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BOTTON VIEW

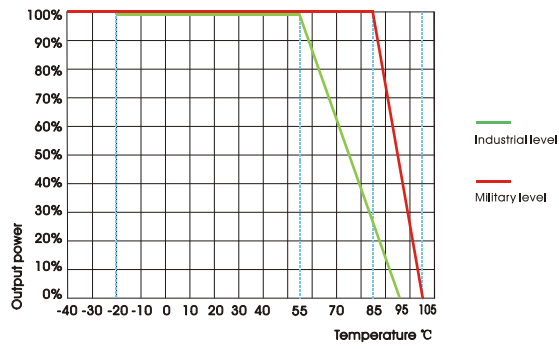


LATERAL VIEW



UNIT:mm

Temperature Graph



Mechanical Data

Power	L x W x H	Packing No.
3W	31.8*20.3*9.5mm	A

Pin Assignment

PIN	2/3	9	10/15	11	14	16	22/23			
Single O/P	GND	NC	NC	NC	+Vo	0V	Vin			
Dual O/P	GND	0V	NC	-Vo	+Vo	0V	Vin			

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