

**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
- Metal 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

<i>Input Feature</i>	<i>Min</i>	<i>Nom</i>	<i>Max</i>	<i>Note</i>
Input voltage(Vdc)	9	12	18	W 2:1
	18	24	36	W 2:1
	36	48	72	W 2:1
	9	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
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Switching frequency			300KHz
Operating temperature			-25℃ ~ +55℃
Storage temperature			-40℃ ~ +105℃
Max case temperature			25℃
Storage humidity			95%
Isolation resistance			1000MΩ
Input-Output Isolation Voltage			1500VDC
Cooling			Nature Convection
Case Material			Copper,nickel plated
MTBF	10X10 <sup>5</sup> Hrs		

### Product Nomination Method

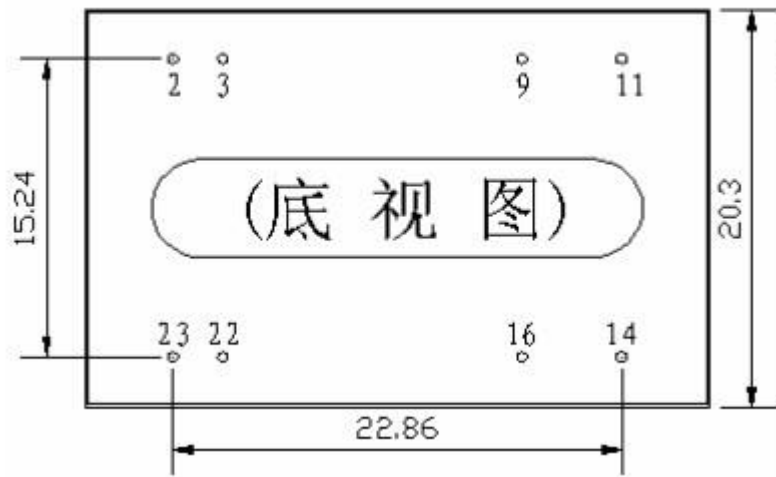
exam ple	L D 5 - 48 S 05 I ① ② ③ ④ ⑤ ⑥ ⑦						
①	L:Wide voltage input: 2: 1	⑥	output voltage				
②	Power adaptation mode: D (DC-DC)		I: Dual Route output Isolate				
③	Output power(W)		W: Super Wide input voltage				
④	Normal input voltage	⑦					
⑤	S=Single route output, D=Dual route output, T=Triple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

### Product Program

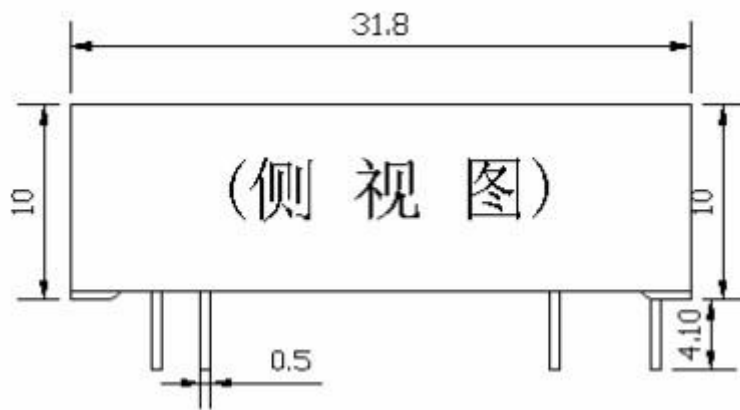
PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	A	V	A
LD5-12S05A	12V(9~18V)	5V	1000mA				
LD5-12S12A		12V	410mA				
LD5-12S15A		15V	330mA				
LD5-12S24A		24V	210mA				
LD5-12D05A		+5V	500 mA	-5V	500 mA		
LD5-12D12A		+12V	205 mA	-12V	205 mA		
LD5-12D15A		+15V	165 mA	-15V	165 mA		
LD5-12D24A		+24V	100 mA	-24V	100 mA		
LD5-18S05A	18V(9~36V)	5V	1000mA				
LD5-18S12A		12V	410mA				
LD5-18S15A		15V	330mA				

LD5-18S24A	24V(18~36V)	24V	210mA				
LD5-18D05A		+5V	500 mA	-5V	500 mA		
LD5-18D12A		+12V	205 mA	-12V	205 mA		
LD5-18D15A		+15V	165 mA	-15V	165 mA		
LD5-18D24A		+24V	100 mA	-24V	100 mA		
LD5-24S05A	24V(18~36V)	5V	1000mA				
LD5-24S12A		12V	410mA				
LD5-24S15A		15V	330mA				
LD5-24S24A		24V	210mA				
LD5-24D05A		+5V	500 mA	-5V	500 mA		
LD5-24D12A		+12V	205 mA	-12V	205 mA		
LD5-24D15A		+15V	165 mA	-15V	165 mA		
LD5-24D24A		+24V	100 mA	-24V	100 mA		
LD5-36S05A	36V(18~72V)	5V	1000mA				
LD5-36S12A		12V	410mA				
LD5-36S15A		15V	330mA				
LD5-36S24A		24V	210mA				
LD5-36D05A		+5V	500 mA	-5V	500 mA		
LD5-36D12A		+12V	205 mA	-12V	205 mA		
LD5-36D15A		+15V	165 mA	-15V	165 mA		
LD5-36D24A		+24V	100 mA	-24V	100 mA		
LD5-48S05A	48V(36~72V)	5V	1000mA				
LD5-48S12A		12V	410mA				
LD5-48S15A		15V	330mA				
LD5-48S24A		24V	210mA				
LD5-48D05A		+5V	500 mA	-5V	500 mA		
LD5-48D12A		+12V	205 mA	-12V	205 mA		
LD5-48D15A		+15V	165 mA	-15V	165 mA		
LD5-48D24A		+24V	100 mA	-24V	100 mA		

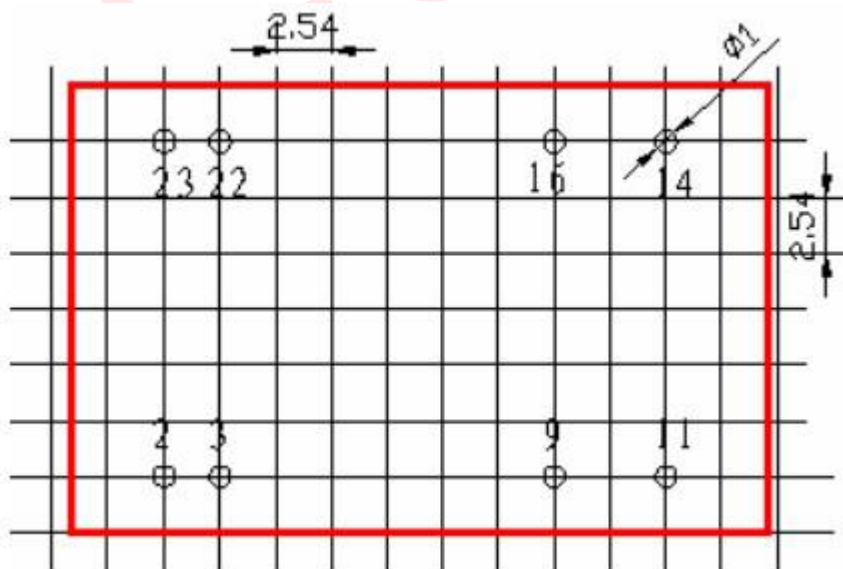
### Mechanical Dimensions



BOTTOM VIEW

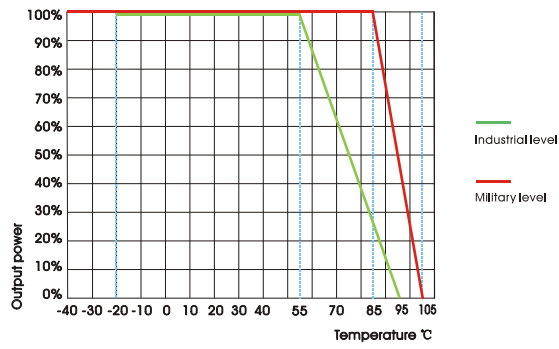


LATERAL VIEW



Unit:mm

Temperature Graph



### Mechanical Data

WATT	L x W x H	Packing No.
5W	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	+Vo	0V	Vin			
Dual O/P	GND	Vin	-	-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.