

Typical Performance

FEATURES

- Wide Input voltage range (2:1)
- Typical Efficiency:81%
- Switching frequency: 200KHz
- Short circuit protection,Self-furbish,input over voltage protection
- Input-output isolate 1500VDC
- Metal case, Low Output Ripple
- Chassis mount
- Silicone filling and sealing, dustproof,moistureproof, high reliability
- Optional heatsink



3-Years Product Warranty

Technology parameter

Test condition:General Nominal Line,Tc=25℃, Rated resistant load unless other wispecified

Input Feature	Min	Nom	Max	Notes
Input voltage(Vdc)	18	24	36	W 2:1
	18	24	36	W 2:1
	36	48	72	W 2:1
	72	110	144	W 2:1

Output Feature

Voltage accuracy			±2.0%
Line regulation			±0.2%
Load regulation			±0.5%
Over current protection		120%~200% ,output will be turn off,self-recover	
Ripple and noise			100mV

General Feature

Efficiency			81% typical
Switching frequency			200KHz typical
Operating temperature	Free air	Industrial level	-25℃ ~ +55℃

Storage temperature			-40℃ ~ +125℃
Relative humidity			10%~90%
case material			Metal case
Isolation Voltage	Input-Output		1500VDC
	Input-Case		500VDC
	Output-Case		500VDC
Temperature Coefficient			≤±0.05%/℃
Cooling			Natural Convection,or add heatsink
MTBF	5X10 ⁵ Hrs		

Product Nomination Method

example	L D 50 E – 48 S 05 ① ② ③ ④ ⑤ ⑥ ⑦						
①	Wide input voltage: 2: 1			⑥	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output		
②	Power adaptation mode: D（DC-DC）			⑦			
③	Output power(W)						
④	Vehicle power supply				output voltage		
⑤	Normal input voltage						

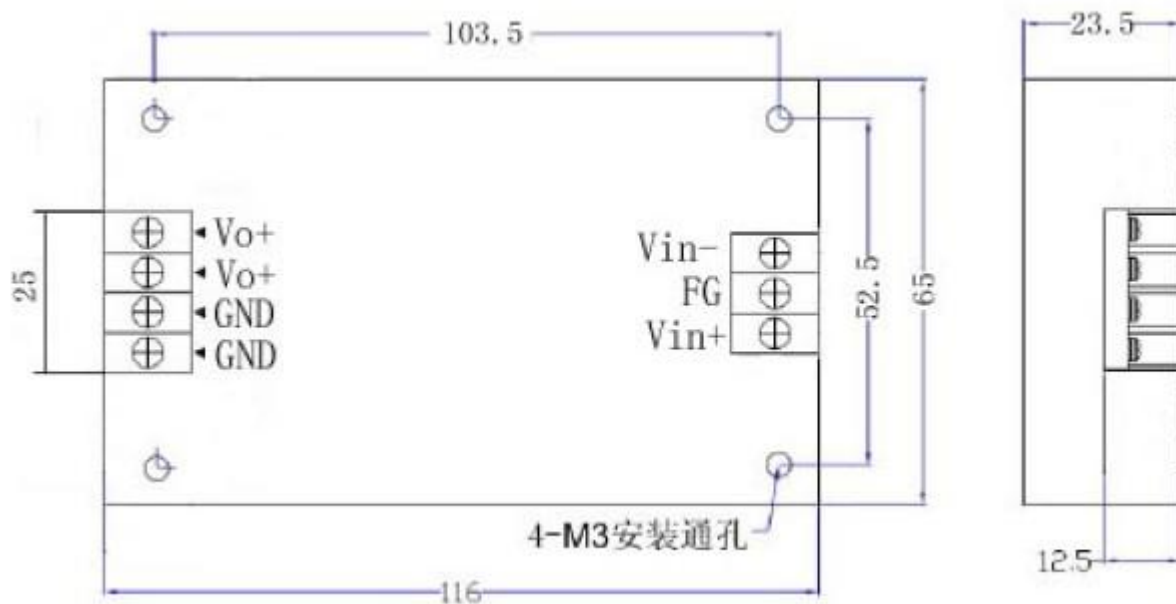
Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
LD100E-12S05	12V(9~18V)	5V	20000mA				
LD100E-12S12		12V	8300mA				
LD100E-12S15		15V	6600mA				
LD100E-12S24		24V	4200mA				
LD100E-12S28		28V	3570mA				
LD100E-12S48		48V	2000mA				
LD100E-12D05		+5V	10000mA	-5V	10000mA		
LD100E-12D12		+12V	4167mA	-12V	4167mA		
LD100E-12D15		+15V	3333mA	-15V	3333mA		

LD100E-12D24		+24V	2083mA	-24V	2083mA		
LD100E-12D28		+28V	1786mA	-28V	1786mA		
LD100E-12D48		+48V	1042mA	-48V	1042mA		
LD100E-12S05S12		+5V	6000mA	+12V	5833mA		
LD100E-12S05S24		+5V	6000mA	+24V	2917mA		
LD100E-24S05	24V(18~36V)	5V	20000mA				
LD100E-24S12		12V	8300mA				
LD100E-24S15		15V	6600mA				
LD100E-24S24		24V	4200mA				
LD100E-24S28		28V	3570mA				
LD100E-24S48		48V	2000mA				
LD100E-24D05		+5V	10000mA	-5V	10000mA		
LD100E-24D12		+12V	4167mA	-12V	4167mA		
LD100E-24D15		+15V	3333mA	-15V	3333mA		
LD100E-24D24		+24V	2083mA	-24V	2083mA		
LD100E-24D28		+28V	1786mA	-28V	1786mA		
LD100E-24D48		+48V	1042mA	-48V	1042mA		
LD100E-24S05S12		+5V	6000mA	+12V	5833mA		
LD100E-24S05S24		+5V	6000mA	+24V	2917mA		
LD100E-48S05	48V(36~72V)	5V	20000mA				
LD100E-48S12		12V	8300mA				
LD100E-48S15		15V	6600mA				
LD100E-48S24		24V	4200mA				
LD100E-48S28		28V	3570mA				
LD100E-48S48		48V	2000mA				
LD100E-48D05		+5V	10000mA	-5V	10000mA		
LD100E-48D12		+12V	4167mA	-12V	4167mA		
LD100E-48D15		+15V	3333mA	-15V	3333mA		
LD100E-48D24		+24V	2083mA	-24V	2083mA		
LD100E-48D28		+28V	1786mA	-28V	1786mA		
LD100E-48D48		+48V	1042mA	-48V	1042mA		
LD100E-48S05S12		+5V	6000mA	+12V	5833mA		

LD100E-48S05S24		+5V	6000mA	+24V	2917mA		
LD100E-110S05	110V(72~144V)	5V	20000mA				
LD100E-110S12		12V	8300mA				
LD100E-110S15		15V	6600mA				
LD100E-110S24		24V	4200mA				
LD100E-110S28		28V	3570mA				
LD100E-110S48		48V	2000mA				
LD100E-110D05		+5V	10000mA	-5V	10000mA		
LD100E-110D12		+12V	4167mA	-12V	4167mA		
LD100E-110D15		+15V	3333mA	-15V	3333mA		
LD100E-110D24		+24V	2083mA	-24V	2083mA		
LD100E-110D28		+28V	1786mA	-28V	1786mA		
LD100E-110D48		+48V	1042mA	-48V	1042mA		
LD100E-110S05S12		+5V	6000mA	+12V	5833mA		
LD100E-110S05S24		+5V	6000mA	+24V	2917mA		

Mechanical Dimension



BOTTOM VIEW

Mechanical Data

WATT	L x W x H	Packing No.
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100W	116*65*23.5mm	
*Note: The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.		