

Typical Performance

FEATURES

- Wide Input voltage range (2:1)
- Typical Efficiency:85%
- Switching frequency: 300KHz
- Output Over current protect,Short circuit protection
- input under voltage protection,over voltage protection
- input-output isolated
- PCB Board in-line type installs
- High reliability
- Optional heat sink



3-Years Product Warranty

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

Input Features	Min	Nom	Max	Notes
	Test condition			
Start voltage	24V(18~36Vin)			18V
	48V(36~72Vin)			36V
Input under voltage protection	24V(18~36Vin)			17V
	48V(36~72Vin)			35V
	110V(72~144V)			110V
Input voltage (Vdc)	18	24	36	
	36	48	72	
	72	110	144	
Start time	Not capacitive load			20mS
Remote On/Off Function				
CTL	CNT Pin connect -Vin			OFF

	CNT Pin left open		ON
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Output Feature

	Test condition		
Voltage accuracy	$I_o=0.1...1.0 \times I_{onom}, V_i=V_{rated}$		$\pm 1.0\%$
Line regulation	$V_{imin} \leq V_i \leq V_{imax}$		$\pm 0.2\%$
Load regulation	$I_o=0.1...1.0 \times I_{onom}, V_{imin} \leq V_i \leq V_{imax}, V_i=V_{rated}$		$\pm 0.5\%$
Ripple&noise	2-MHz Broadband		1%
Over current protection	$V_{imin} \leq V_i \leq V_{imax}$		120%
Peak Deviation	25% Rated Load Vary		$\pm 5.0\%$
Dynamic Response Setting Time			400us
Output Voltage Trim	$V_{imin} \leq V_i \leq V_{imax}$		10%
Switching frequency	$V_{imin} \leq V_i \leq V_{imax}$		300KHz

General Feature

	Test condition		
Efficiency			85% typical
Board temperature	Industry level		$-25^\circ\text{C} \sim +55^\circ\text{C}$
Working environment temperature	Military level		$-25^\circ\text{C} \sim +85^\circ\text{C}$
Max Board temperature	Industry level		$+85^\circ\text{C}$
	Military level		$+105^\circ\text{C}$
Storage temperature	Industry level		$-40^\circ\text{C} \sim +105^\circ\text{C}$
	Military level		$-50^\circ\text{C} \sim +105^\circ\text{C}$
Relative humidity	No condensation		5%~90%RH
Temperature coefficient			$\pm 0.02\%/^\circ\text{C}$
case material			aluminium baseplate
Isolated resistance	Input-Output		100M ohm
Vibration resistance	10~55Hz		5G
Over current mode	Full input range	Protection type : Hiccup mode, recovers automatically	
Cooling		Heatsink,nature cooling	
Case material		epoxy,Aluminum base plate	

Isolated Voltage	Input-output 1500Vdc; input-FG 1500Vdc,Output-FG 500Vdc		
MTBF	MIL-HDBK-217F2		5X10 ⁶ Hrs

Product Nomination Method

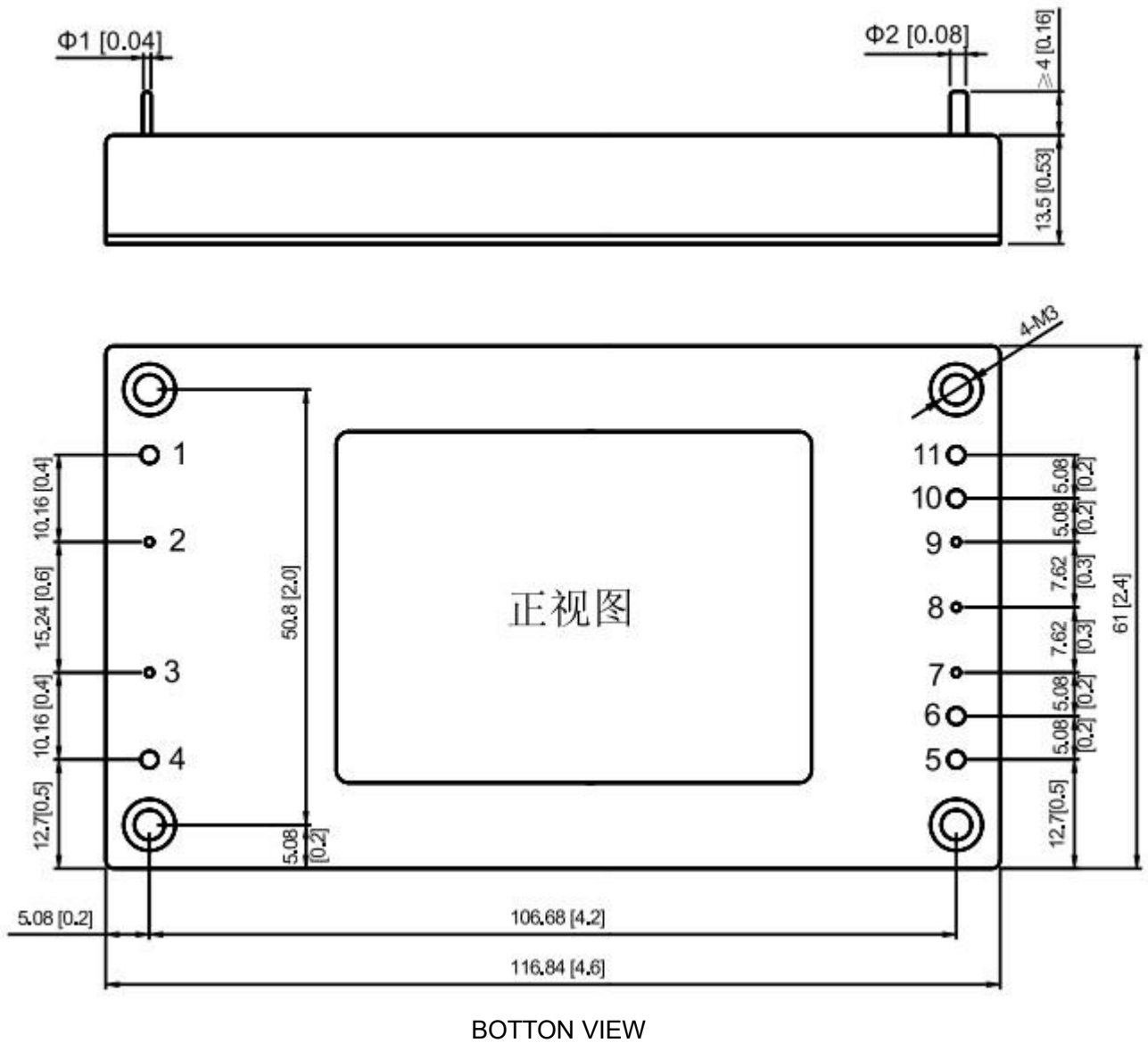
example	L D 200 – T 48 S 12		
	① ② ③	④ ⑤ ⑥ ⑦	
①	Wide input voltage: 2: 1	④	T:full brick package
②	Power adaptation mode: D (DC-DC)	⑤	Normal input voltage
③	Output power(W)	⑥	S=Single route output
⑦	output voltage		

Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
LD200T-24S05	24 V(18~36V)	5	40				
LD200T-24S12		12	16.7				
LD200T-24S15		15	13.3				
LD200T-24S24		24	8.3				
LD200T-24S28		28	7.1				
LD200T-24S36		36	5.56				
LD200T-24S48		48	4.2				
LD200T-48S05	48V(36~72V)	5	40				
LD200T-48S12		12	16.7				
LD200T-48S15		15	13.3				
LD200T-48S24		24	8.3				
LD200T-48S28		28	7.1				
LD200T-48S36		36	5.56				
LD200T-48S48		48	4.2				
LD200T-72S12	72V(50~120V)	12	16.7				
LD200T-72S15		15	13.3				
LD200T-72S24		24	8.3				
LD200T-72S28		28	7.1				
LD200T-72S36		36	5.56				

LD200T-72S48		48	4.2			
LD200T-110S12	110V(72~144V)	12	16.7			
LD200T-110S15		15	13.3			
LD200T-110S24		24	8.3			
LD200T-110S28		28	7.1			
LD200T-110S36		36	5.56			
LD200T-110S48		48	4.2			

Mechanical Dimension



Unit:mm(inch)
Tolerance:±0.2mm(±0.008inch)

Mechanical Data

WATT	L x W x H	Packing No.
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200W				116.84*61*13.5mm								
Pin Assignment												
Pin	1	2	3	4	5	6	7	8	9	10	11	
Single O/P	-Vin	CASE	REM	+Vin	+Vout	+Vout	+S	TRIM	-S	-Vout	-Vout	
*Note: The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.												

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