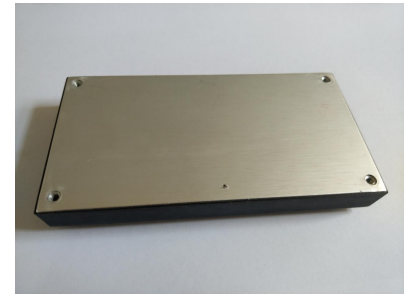


FEATURES:

- Wide input range
- Continuous short-circuit protection, self recover
- I/O isolation voltage 1.5KV
- Working temperature: -40°C~+105°C
- No additional components required
- Stable performance and high reliability (MTBF≥500K hours)
- Industry standard pin-out
- Industry standard full brick package



Selection Guide

Part No.	INPUT		OUTPUT				Capacitive Load(μF)
	Normal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LD200T-24S05	24	18-36	5	40000			
LD200T-24S12			12	16667			
LD200T-24S15			15	13333			
LD200T-24S24			24	8333			
LD200T-24S28			28	7143			
LD200T-24S36			36	5556			
LD200T-24S48			48	4167			
LD200T-48S05	48	36-72	5	40000			
LD200T-48S12			12	16667			
LD200T-48S15			15	13333			
LD200T-48S24			24	8333			
LD200T-48S28			28	7143			
LD200T-48S36			36	5556			
LD200T-48S48			48	4167			
LD200T-110S12	110	72-144	12	16667			
LD200T-110S15			15	13333			
LD200T-110S24			24	8333			
LD200T-110S28			28	7143			
LD200T-110S36			36	5556			
LD200T-110S48			48	4167			
LD200T-300S12	300	200-400	12	16667			
LD200T-300S15			15	13333			
LD200T-300S24			24	8333			
LD200T-300S28			28	7143			
LD200T-300S36			36	5556			
LD200T-300S48			48	4167			

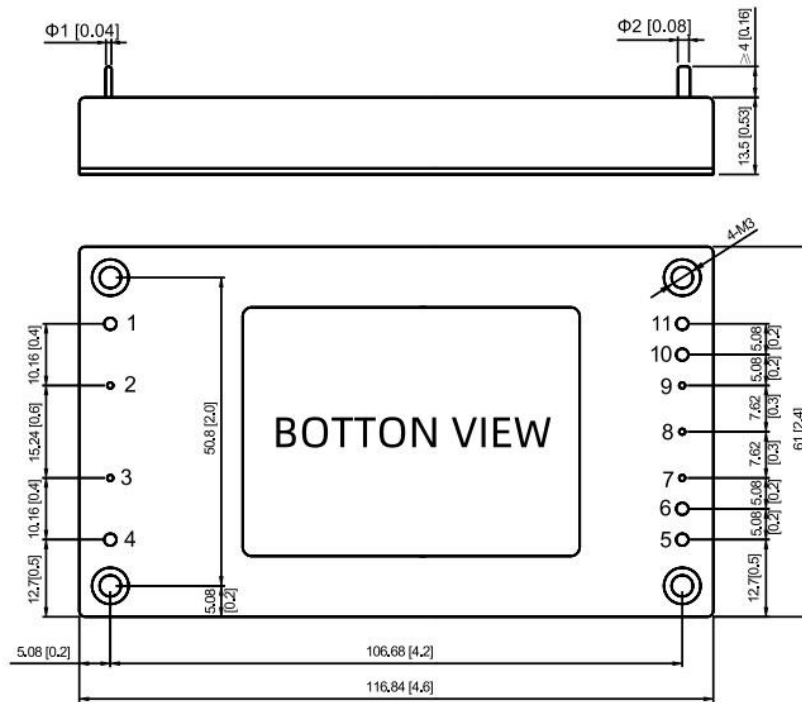
customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
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	18-36	24	36
	36-72	48	72
	72-144	110	144
	200-400	300	400
Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		
Output Specifications			
Item	Min	Typ	Max
Voltage Accuracy		±1%	±3%
Line Regulation		±0.2%	±1%
Load Regulation		±0.5%	±1%
TRIM Range			±10%
Temperature Regulation		±0.02%/°C	
Over Current Protect	110%		160%
Over Voltage Protect	110%		140%
Over Temperature Protect	110%	115%	125%
Short Circuit Protect	Continuous, self-recovery		
Dynamic Response	4%Vo Pk deviation 100µS settling time		50~75% load 50~25% load
General Specifications			
Isolation Resistor	20MΩ	Input-Output	
Isolation Voltage	1500VDC	Input-Output	
	1000VDC	Input-Case	
	500VDC	Output-Case	
Switching Frequency	300KHz	Mil HDBK 217F Tc=25°C	
MTBF	1×10 ⁶ Hrs		
Case Temperature	-40~+100°C		
Storage Temperature	-55~+125°C		
Relative Humidity	10%-90%		
Pin Solder Temperature	250°C	Soldering spot is 1.5mm away from case for 10 seconds	
Hand Soldering Time	5s	Iron Temperature 425 °C	
Vibration		Sine, 10Hz-55Hz, amplitude 0.35mm, X, Y, Z three directions 30min each	
Shock		Half-sine, peak acceleration is 300m/s ² , standard pulse duration is 6ms, X, Y, Z three 6 consecutive shocks in each direction;	
Weight	200g (Typ)		
**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25°C room temperature environment.			

Dimensions and Recommended Layout

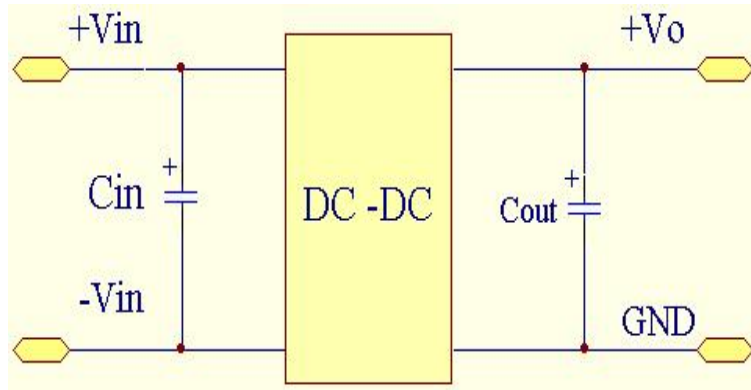


Note:
Unit: mm[inch]
Pin diameter tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

Pins

Pin-Out	Mark		
1	-Vin		
2	CASE		
3	REM		
4	+Vin		
5	+Vout		
6	+Vout		
7	+S		
8	TRIM		
9	-S		
10	-Vout		
11	-Vout		

Recommended Circuit



Vo(VDC)	Cin	Cout, Cout1, Cout2
5	47-100uF	100uF/A
12		
15		
24		
28		
48		

Noted

1. Input current: Ensure that the output current of the power supply meets the instantaneous starting current of the power module (that is, twice the average input current of the power module).
2. Output load requirements: Avoid no-load use. When the actual power consumption of the load is less than 10% of the rated output power of the module or no load occurs, connect an external resistance to the output end (the sum of the external resistance and the load power is greater than or equal to 10% of the rated load) or select a module with a smaller rated power.
3. The external capacitance of the output end should not be too large; otherwise, the module may be overcurrent or poorly started. For details, see the external capacitance recommendation table.
4. External LC filter circuit can be connected for occasions with high ripple noise requirements.