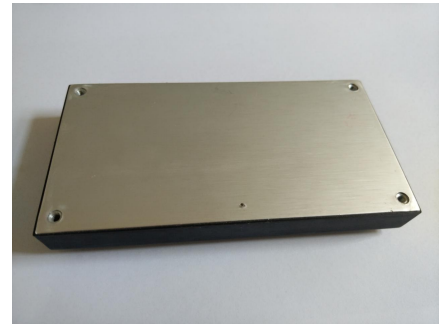


**FEATURES:**

- 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≥2 million hours)
- Industry standard pin-out
- Industry standard full brick package



**Selection Guide**

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Normal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LD250T-24S05	24	18-36	5	50000			
LD250T-24S12			12	20833			
LD250T-24S15			15	16667			
LD250T-24S24			24	10417			
LD250T-24S28			28	8.929			
LD250T-24S36			36	6944			
LD250T-24S48			48	5208			
LD250T-48S05	48	36-72	5	50000			
LD250T-48S12			12	20833			
LD250T-48S15			15	16667			
LD250T-48S24			24	10417			
LD250T-48S28			28	8.929			
LD250T-48S36			36	6944			
LD250T-48S48			48	5208			
LD250T-110S12	110	72-144	5	50000			
LD250T-110S15			12	20833			
LD250T-110S24			15	16667			
LD250T-110S28			24	10417			
LD250T-110S36			28	8.929			
LD250T-110S48			36	6944			

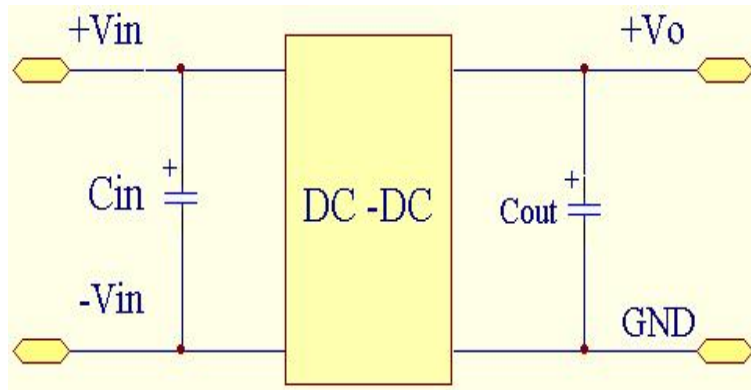
\*\*customized accepted, pls contact sales for details\*\*

**Input Specifications**

Input Voltage Range	Input Voltage Range (Vdc)		Nom(Vdc)	Max (Vdc)
	18-36		24	36
	36-72		48	72
	72-144		110	144
Input Filter	Capacitive Filter			
Ctrl	NONE			
	NONE			

Hot Plug	Unavailable			
<b>Output Specifications</b>				
Item	Min	Typ	Max	Test Conditions
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	
<b>General Specifications</b>				
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 <sup>6</sup> 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 <sup>2</sup> , 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.				
<b>Dimensions and Recommended Layout</b>				





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.