FEATURES：

- Wide input range
- Continuous short-circuit protection,self recover
- I/O isolation voltage 1.5KV
- Working temperature：-40℃～+85℃
- No additional components required
- Stable performance and high reliability (MTBF≥1000K hours)
- Industry standard pin-out
- Metal case
- DIP package

Selection Guide

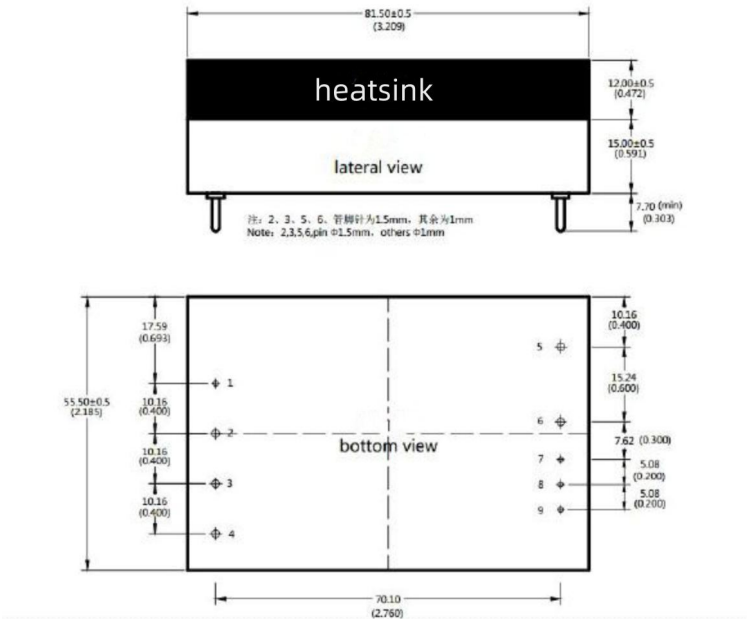
Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Norminal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LD150-24S05B	24	18-36	5	30000			
LD150-24S12B			12	125000			
LD150-24S15B			15	10000			
LD150-24S18B			18	8333			
LD150-24S24B			24	6250			
LD150-24S28B			28	5357			
LD150-24S48B			48	3125			
LD150-48S05B	48	36-72	5	30000			
LD150-48S12B			12	125000			
LD150-48S15B			15	10000			
LD150-48S18B			18	8333			
LD150-48S24B			24	6250			
LD150-48S28B			28	5357			
LD150-48S48B			48	3125			
LD150-110S05B	110	72-144	5	30000			
LD150-110S12B			12	125000			
LD150-110S15B			15	10000			
LD150-110S18B			18	8333			
LD150-110S24B			24	6250			
LD150-110S28B			28	5357			
LD150-110S48B			48	3125			

customized accepted ,pls contact sales for details

Input Specifications

	Input Voltage Range (Vdc)	Nom(Vdc)	Max（Vdc）
Input Voltage	18-36	24	36
	36-72	48	72
	72-144	110	144

Hot Plug	Unavailable		
Output Specifications			
Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%	±3%	0-100% load
Line Regulation	±0.2%	±0.5%	Input voltage variation from low to high at full load
Load Regulation	±0.5%	±1%	5%-100% load
Ripple&Noise	-	100mVp-p	20MHz bandwidth, 5%-100% load
Transient Recovery Time	300μs	500μs	25% load step change, Nominal input voltage
Over-voltage Protection	-	160%Vo	110%Vo(Min)
Over-current Protection	140%Io	190%Io	110%Io(Min)
Short-circuit Protection			Continuous, self-recovery
Gerneral Specifications			
Switching Frequency	300KHz(Typ)		PWM mode
MTBF	1000 K hours		MIL-HDBK-217F@25℃
Temperature Coefficient	0.03%/℃		100% full load
Isolation（Input-Output）	1.5KVDC		
Insulation Resistance	1000MΩ		Input-output resistance 500Vdc
Operating Temperature	-40～+85℃		
Storage Temperature	-55～+125℃		
Storage Humidity	5-95%		Non-condensing
Cooling Method	Free air convection		
Case Material	Aluminum alloy		
Weight	60g（Typ）		
**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.			
Dimensions and Recommended Layout			

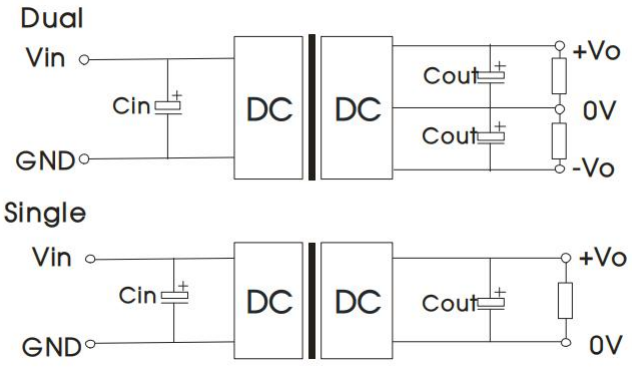


Note:
Unit: mm[inch]
Pin diameter tolerances: ± 0.10[± 0.004]
General tolerances: ± 0.50[± 0.020]

Pins

1	FG	6	TRIM
2	+Vin	7	+S
3	-Vin	8	GND
4	REM	9	Vo1
5	-S		

Recommended Circuit



Recommended input and output capacitor values				
Vin	Cin	Cout		
5	100uF/16V			
12	100uF/25V			
24	10uF/50V-47uF/50V			
48	10uF/100V-47uF/100V			

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.