

FEATURES:

- Wide input range
- Continuous short-circuit protection, self recover
- I/O isolation voltage 3000Vac
- Base plate operating temperature: -40℃ to +100℃
- No additional components required
- Stable performance and high reliability (MTBF ≥ 1000K 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 (A)	Voltage (V2dc)	current (A)	
LD2000T-300S24	300	200-400	28	71.4			
LD2000T-600S28	600	400-800	28	71.4			
LD2000T-600S48			48	41.7			

customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
	200-400	300	400
	400-800	600	800
Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		

Output Specifications

Item	Min	Typ	Max	Test Conditions
Voltage Accuracy		±1%	±2%	
Line Regulation		±0.5%	±1%	
Load Regulation		±0.4%	±1%	
TRIM Range	70%Vo		110%Vo	
Temperature Regulation		±0.03%/℃		
Over Current Protect	55A		61A	
Over Voltage Protect	110%	125%	140%	
Over Temperature Protect	90%	-	110%	
Short Circuit Protect	Hiccup, continuous, self-recover			

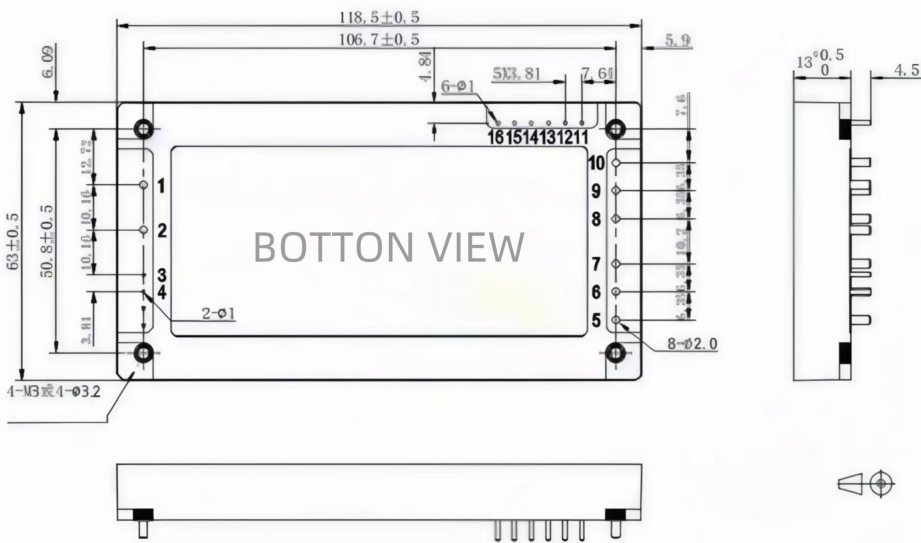
General Specifications

Isolation Resistor	100MΩ	Input-Output
Isolation Voltage	4250VDC	Input-Output
	2500VDC	Input-Case

	500VDC	Output-Case
MTBF	1000K Hrs	
Case Temperature	-40~+100℃	
Storage Temperature	-55~+125℃	
Relative Humidity	10%-90%	
Pin Solder Temperature	250℃	Soldering spot is 1.5mm away from case for 10 seconds
Hand Soldering Time	5s	Iron Temperature 425℃
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	210g (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



Pin	Function	Pin	Function
1	-Vin	9	-Vo
2	+Vin	10	-Vo
3	ON/OFF	11	-S
4	ON/OFF	12	+S
5	+Vo	13	TRIM
6	+Vo	14	PC/NC
7	+Vo	15	I/OG
8	-Vo	16	AUX

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.