

FEATURES:

- Comply with RoHS standard, UL1950, IEC950 safety procedures
- Wide voltage input range, broadband noise filtering; Low ripple output
- Typical efficiency 82%
- High isolation voltage, short circuit, overload, overheat protection self-recovery
- Miniaturized design
- Fast dynamic response
- Size:81.5*68*17mm
- Weight:160g
- Widely used in military, communications, industrial control, transportation, electric power, new energy and scientific research and experiment and other fields



Selection Guide

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Normalal (VDC)	Range (VDC)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LD50E-12S05M	12	9-18	5	10000			
LD50E-12S12M			12	4200			
LD50E-12S15M			15	3300			
LD50E-12S24M			24	2100			
LD50E-12S28M			28	1750			
LD50E-12S48M			48	1000			
LD50E-24S05M	24	18-36	5	10000			
LD50E-24S12M			12	4200			
LD50E-24S15M			15	3300			
LD50E-24S24M			24	2100			
LD50E-24S28M			28	1750			
LD50E-24S36M			36	1389			
LD50E-24S48M			48	1000			
LD50E-48S05M	48	36-72	5	10000			
LD50E-48S12M			12	4200			
LD50E-48S15M			15	3300			
LD50E-48S24M			24	2100			
LD50E-48S28M			28	1750			
LD50E-48S48M			48	1000			
LD50E-110S05M	110	72-144	5	10000			
LD50E-110S12M			12	4200			
LD50E-110S15M			15	3300			
LD50E-110S24M			24	2100			
LD50E-110S28M			28	1750			
LD50E-110S48M			48	1000			

LD50E-18S05M	48	36-72	5	10000			
LD50E-18S12M			12	4200			
LD50E-18S15M			15	3300			
LD50E-18S24M			24	2100			
LD50E-18S28M			28	1750			
LD50E-18S48M			48	1000			
LD50E-36S05M	36	18-72	5	10000			
LD50E-36S12M			12	4200			
LD50E-36S15M			15	3300			
LD50E-36S24M			24	2100			
LD50E-36S28M			28	1750			
LD50E-36S48M			48	1000			
LD50E-100S05M	100	40-160	5	10000			
LD50E-100S12M			12	4200			
LD50E-100S15M			15	3300			
LD50E-100S24M			24	2100			
LD50E-100S28M			28	1750			
LD50E-100S48M			48	1000			

customized accepted,pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
	9-18	12	18
	18-36	24	36
	9-36	18	36
	36-72	48	72
	18-72	36	72
	72-144	110	144
	40-160	100	160

Output Specifications

Item	Min	Typ	Max	Test Conditions
Voltage Accuracy		±1%		
Voltage Adjust Rate		±0.2%		
Load Regulation		±0.5%		
Auxiliary Voltage Accuracy		±3%		
Ripple&Noisy		±1%		
Temperature Regulation		±0.02%/°C		
Over Current Protect	120%		150%	
Short Circuit Protect	Burp type, self-recovery			
Dynamic Response	400μS		25% load	

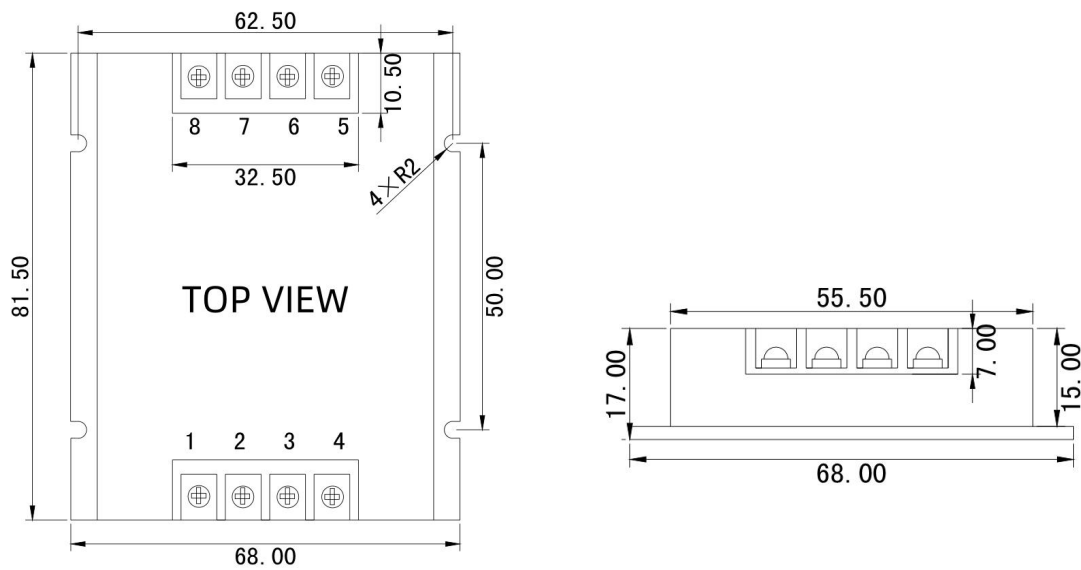
General Specifications

Isolation Resistor	200MΩ	Input-Output
Isolation Voltage	1000VDC	Input-Output

	500VDC	Input-Case
	500VDC	Output-Case
Switching Frequency	300KHz	Mil HDBK 217F Tc=25℃
MTBF	200000Hrs	
Case Temperature	-40~+100℃	
Storage Temperature	-55~+125℃	
Relative Humidity	5%-90%	
Pin Solder Temperature	250℃	Soldering spot is 1.5mm away from case for 10 seconds
Hand Soldering Time	5s	Iron Temperature 425℃
Temperature Coefficient	±0.02%/℃	
Shock	5G	10~55Hz
Cooling	Free Air	
Weight	160g (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



Unit:mm

Note

- All the testing methods for the indicators in this manual are in accordance with the enterprise standards of our company.
- (2)Unless otherwise specified,all the indicators in this manual are measured at Ta=25℃,humidity <75%,nominal input voltage and output rated load.The output characteristic index is for the load under pure resistive conditions.If it is not a pure resistive load,it needs to be specified separately.
- (3)If the product operates in a complex environment,it cannot be guaranteed that all performance indicators of the product comply with those in this manual.
- (4)Our company can provide customized products for unconventional voltages.For specific requirements,please contact our technical personnel directly.

The final interpretation right of the product belongs to ECCO ELECTRONICS

