

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: 2X10⁵Hrs)
- Industry standard pin-out
- Metal case
- DIP package



Selection Guide

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Normal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LD150-24S12	24	18-36	12	125000			
LD150-24S15			15	10000			
LD150-24S24			24	6250			
LD150-24S48			48	3125			
LD150-18S12	18	9-36	12	125000			
LD150-18S15			15	10000			
LD150-18S24			24	6250			
LD150-18S48			48	3125			
LD150-48S12	48	36-72	12	125000			
LD150-48S15			15	10000			
LD150-48S24			24	6250			
LD150-48S48			48	3125			
LD150-36S12	36	18-72	12	125000			
LD150-36S15			15	10000			
LD150-36S24			24	6250			
LD150-36S48			48	3125			
LD150-110S12	110	40-160	12	125000			
LD150-110S15			15	10000			
LD150-110S24			24	6250			
LD150-110S48			48	3125			

customized accepted, pls contact sales for details

Input Specifications

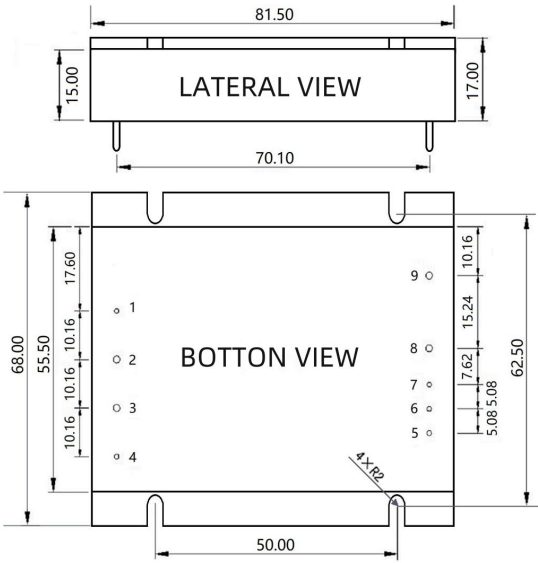
Input Voltage	Input Voltage Range (Vdc)		Nom(Vdc)	Max (Vdc)
	9-36		18	36
	18-36		24	36
	36-72		48	72
	18-72		36	72

	40-160	110	160
Hot Plug	Unavailable		
Output Specifications			
Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%	±2%	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	60mVp-p	80mVp-p	20MHz bandwidth, 5%-100% load
Startup delay time	50ms	-	
Over-voltage Protection	-	160%Vo	110%Vo(Min)
Over-current Protection	-	200%Io	110%Io(Min)
Short-circuit Protection	Continuous, self-recovery		

General Specifications		
Switching Frequency	280KHz(Typ)	PWM mode
MTBF	2X10 ⁵ Hrs	MIL-HDBK-217F@25℃
Isolation (Input-Output)	1.5KVDC	
Operating Temperature	-40~+85℃	
Storage Temperature	-55~+125℃	
Storage Humidity	5-95%RH	Non-condensing
Cooling Method	Free air convection	
Case Material	Aluminum alloy	
Weight	80g (Typ)	

**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.

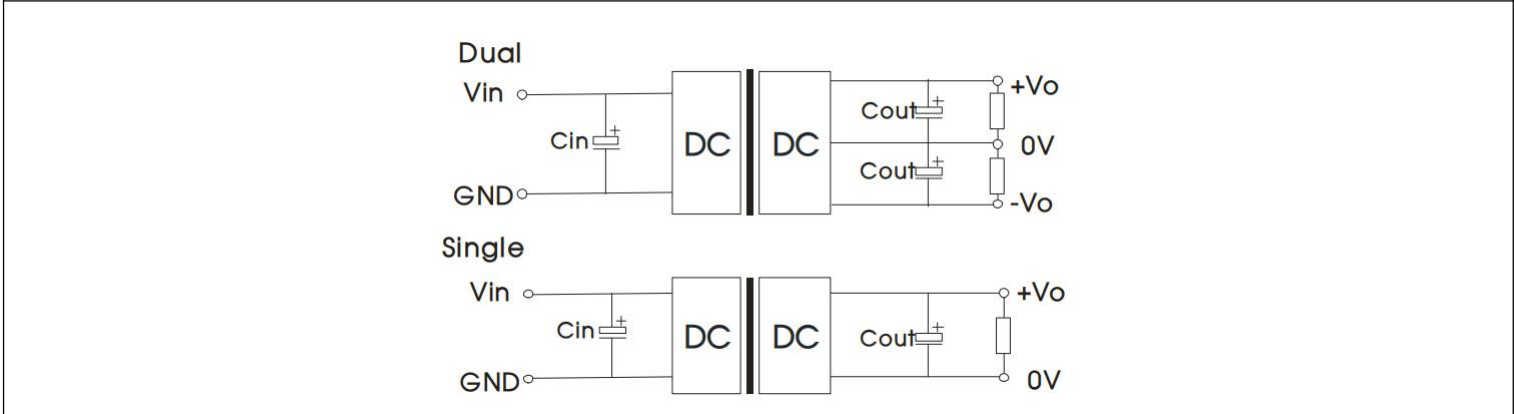
Dimensions and Recommended Layout



Unit:mm(inch)

Pins			
1	FG	6	TRIM
2	+Vin	7	+S
3	-Vin	8	-Vo
4	REM	9	+Vo
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. The product should be used within the specified range; otherwise, it may cause permanent damage to the product.
2. If the product operates beyond its load range, it cannot be guaranteed that all performance indicators of the product comply with those in this manual.
3. Unless otherwise specified, all the above data were measured at Ta=25℃, humidity <75%, input nominal voltage and output rated load (pure resistance load).
4. The above are all performance indicators of the product models listed in this manual. Some indicators of non-standard models may exceed the above requirements. For specific situations, you can directly contact our technical personnel.
5. Product specification changes will not be notified separately. Please pay attention to the latest manual published on our company's official website.

*The final interpretation right of the product belongs to ECCO ELECTRONICS.