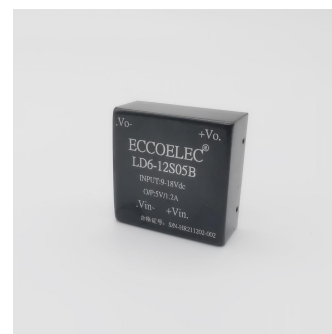


FEATURES:

- 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)	
LD6-05S05B	5	4.5-9	5	1200			
LD6-05S09B			9	667			
LD6-05S12B			12	500			
LD6-05S15B			15	400			
LD6-05S18B			18	333			
LD6-05S24B			24	250			
LD6-05S28B			28	214			
LD6-05S48B			48	125			
LD6-05D05B			+5	600	-5	600	
LD6-05D12B			+12	250	-12	250	
LD6-05D15B			+15	200	-15	200	
LD6-05D24B			+24	125	-24	125	
LD6-12S05B	12	9-18	5	1200			
LD6-12S09B			9	667			
LD6-12S12B			12	500			
LD6-12S15B			15	400			
LD6-12S18B			18	333			
LD6-12S24B			24	250			
LD6-12S28B			28	214			
LD6-12S48B			48	125			
LD6-12D05B			+5	600	-5	600	
LD6-12D12B			+12	250	-12	250	
LD6-12D15B			+15	200	-15	200	
LD6-12D24B			+24	125	-24	125	
LD6-18S05B			5	1200			
LD6-18S09B			9	667			
LD6-18S12B			12	500			
LD6-18S15B			15	400			

LD6-18S24B	18	9-36	24	250			
LD6-18D05B			+5	600	-5	600	
LD6-18D12B			+12	250	-12	250	
LD6-18D15B			+15	200	-15	200	
LD6-18D24B			+24	125	-24	125	
LD6-24S05B	24	18-36	5	1200			
LD6-24S09B			9	667			
LD6-24S12B			12	500			
LD6-24S15B			15	400			
LD6-24S18B			18	333			
LD6-24S24B			24	250			
LD6-24S28B			28	214			
LD6-24S48B			48	125			
LD6-24D05B			+5	600	-5	600	
LD6-24D12B			+12	250	-12	250	
LD6-24D15B			+15	200	-15	200	
LD6-24D24B			+24	125	-24	125	
LD6-36S05B	36	18-72	5	1200			
LD6-36S09B			9	667			
LD6-36S12B			12	500			
LD6-36S15B			15	400			
LD6-36S18B			18	333			
LD6-36S24B			24	250			
LD6-36S28B			28	214			
LD6-36S48B			48	125			
LD6-36D05B			+5	600m	-5	600	
LD6-36D12B			+12	250	-12	250	
LD6-36D15B			+15	200	-15	200	
LD6-36D24B			+24	125	-24	125	
LD6-48S05B	48	36-72	5	1200			
LD6-48S09B			9	667			
LD6-48S12B			12	500			
LD6-48S15B			15	400			
LD6-48S18B			18	333			
LD6-48S24B			24	250			
LD6-48S28B			28	214			
LD6-48S48B			48	125			
LD6-48D05B			+5	600	-5	600	
LD6-48D12B			+12	250	-12	250	
LD6-48D15B			+15	200	-15	200	
LD6-48D24B			+24	125	-24	125	
LD6-110S05B			5	1200			

LD6-110S05B	110	40-160	5	1200			
LD6-110S09B			9	667			
LD6-110S12B			12	500			
LD6-110S15B			15	400			
LD6-110S18B			18	333			
LD6-110S24B			24	250			
LD6-110S28B			28	214			
LD6-110S48B			48	125			
LD6-110D05B			+5	600	-5	600	
LD6-110D12B			+12	250	-12	250	
LD6-110D15B			+15	200	-15	200	
LD6-110D24B			+24	125	-24	125	

customized accepted,pls contact sales for details

Input Specifications

Input Voltage	Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
	4.5-9	5	9
	9-18	12	18
	9-36	18	36
	18-36	24	36
	18-72	36	72
	36-72	48	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

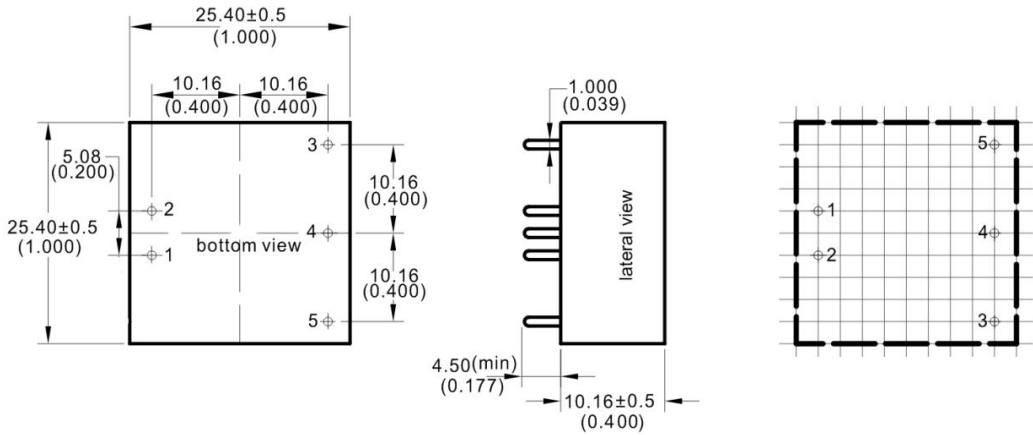
General Specifications

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	15g (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

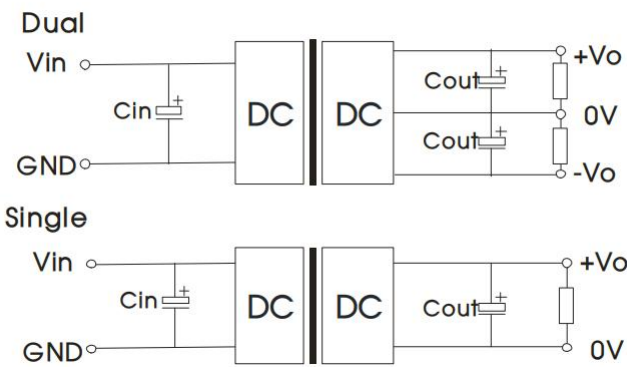


Unit:mm

Pins

Pin	Single	Dual	
1	-Vin	-Vin	
2	+Vin	+Vin	
3	+Vo	+Vo	
4	No Pin	COM	
5	-Vo	-Vo	

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			

Note

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 $T_a=25^{\circ}\text{C}$, 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.