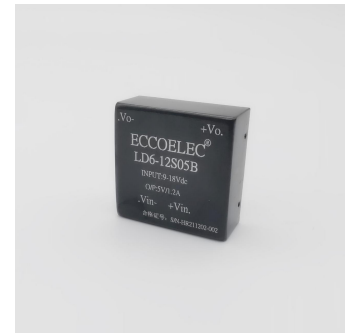


FEATURES:

- Wide input range
- Continuous short-circuit protection, self recover
- I/O isolation voltage 1.5KV
- Working temperature: -40°C~+85°C
- No additional components required
- Stable performance and high reliability (MTBF≥1000K hours)
- Industry standard pin-out
- Flame-retardant case to meet UL94-V0 requirements
- DIP package



Selection Guide

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)		
	Normalal (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	72-144	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
	9-18	12	18
	9-36	18	36
	18-36	24	36
	18-72	36	72
	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

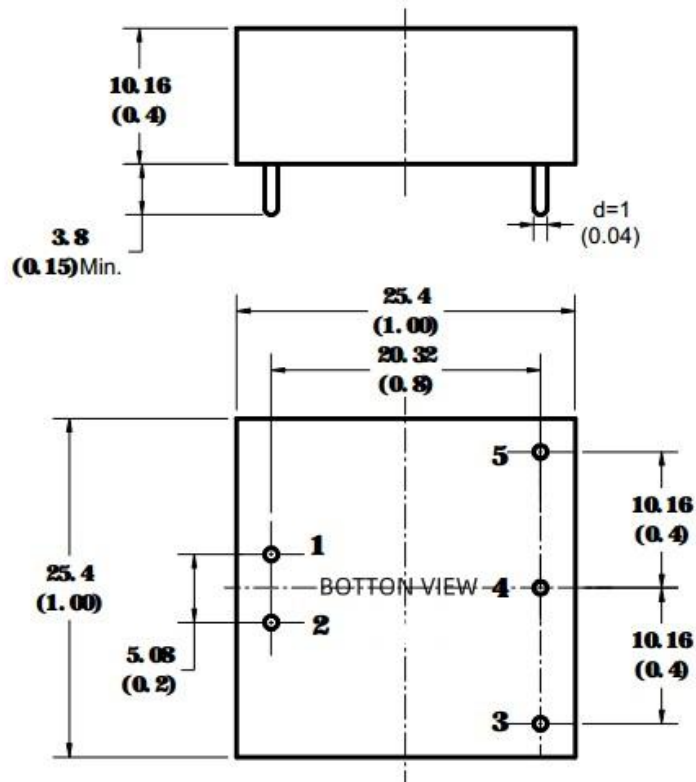
General Specifications

Switching Frequency	300KHz(Typ)	PWM mode
MTBF	1000 K hours	MIL-HDBK-217F@25°C
Temperature Coefficient	0.03%/°C	100% full load
Isolation (Input-Output)	1.5KVDC	
Insulation Resistance	1000MΩ	Input-output resistance 500Vdc

Operating Temperature	-40~+85°C	
Storage Temperature	-55~+125°C	
Storage Humidity	5-95%	Non-condensing
Cooling Method	Free air convection	
Case Material	Aluminum alloy	
Weight	12g (Typ)	

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

Dimensions and Recommended Layout

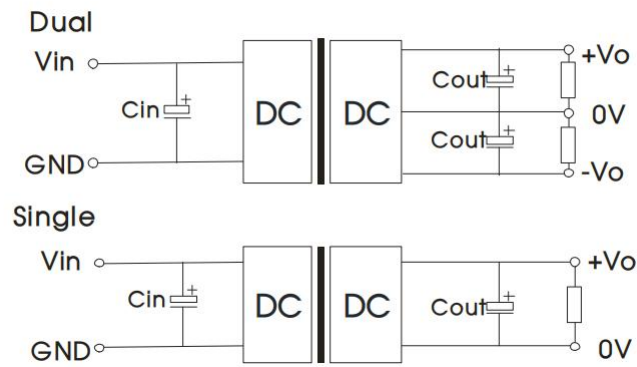


Note:
Unit: mm[inch]
Pin diameter tolerances: $\pm 0.10[\pm 0.004]$
General tolerances: $\pm 0.50[\pm 0.020]$

Pins

Pin	Single	Dual	
1	+Vin	+Vin	
2	-Vin	-Vin	
3	GND	-Vo2	
4	No Pin	COM	
5	Vo1	+Vo1	

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.