

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



Selection Guide

Part No.	INPUT		OUTPUT				Capacitive Load(μF)
	Normal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
SLD3-05S3V3B	5	4.5-9	3.3	600			
SLD3-05S05B			5	600			
SLD3-05S09B			9	330			
SLD3-05S12B			12	250			
SLD3-05S15B			15	200			
SLD3-05S18B			18	167			
SLD3-05S24B			24	125			
SLD3-05S28B			28	107			
SLD3-05S48B			48	104			
SLD3-05D3V3B			+3.3	300	-3.3	300	
SLD3-05D05B			+5	300	-5	300	
SLD3-05D09B			+9	165	-9	165	
SLD3-05D12B			+12	125	-12	125	
SLD3-05D15B			+15	100	-15	100	
SLD3-05D24B			+24	60	-24	60	
SLD3-12S3V3B	12	9-18	3.3	600			
SLD3-12S05B			5	600			
SLD3-12S09B			9	330			
SLD3-12S12B			12	250			
SLD3-12S15B			15	200			
SLD3-12S18B			18	167			
SLD3-12S24B			24	125			
SLD3-12S28B			28	107			
SLD3-12S48B			48	104			
SLD3-12D3V3B			+3.3	300	-3.3	300	
SLD3-12D05B			+5	300	-5	300	
SLD3-12D09B			+9	165	-9	165	
SLD3-12D12B			+12	125	-12	125	

SLD3-12D15B			+15	100	-15	100	
SLD3-12D24B			+24	60	-24	60	
SLD3-18S3V3B	18	9-36	3.3	600			
SLD3-18S05B			5	600			
SLD3-18S09B			9	330			
SLD3-18S12B			12	250			
SLD3-18S15B			15	200			
SLD3-18S18B			18	167			
SLD3-18S24B			24	125			
SLD3-18S28B			28	107			
SLD3-18S48B			48	104			
SLD3-18D3V3B			+3.3	300	-3.3	300	
SLD3-18D05B			+5	300	-5	300	
SLD3-18D09B			+9	165	-9	165	
SLD3-18D12B			+12	125	-12	125	
SLD3-18D15B			+15	100	-15	100	
SLD3-18D24B			+24	60	-24	60	
SLD3-24S3V3B	24	18-36	3.3	600			
SLD3-24S05B			5	600			
SLD3-24S09B			9	330			
SLD3-24S12B			12	250			
SLD3-24S15B			15	200			
SLD3-24S18B			18	167			
SLD3-24S24B			24	125			
SLD3-24S28B			28	107			
SLD3-24S48B			48	104			
SLD3-24D3V3B			+3.3	300	-3.3	300	
SLD3-24D05B			+5	300	-5	300	
SLD3-24D09B			+9	165	-9	165	
SLD3-24D12B			+12	125	-12	125	
SLD3-24D15B			+15	100	-15	100	
SLD3-24D24B			+24	60	-24	60	
SLD3-36S3V3B	36	18-72	3.3	600			
SLD3-36S05B			5	600			
SLD3-36S09B			9	330			
SLD3-36S12B			12	250			
SLD3-36S15B			15	200			
SLD3-36S18B			18	167			
SLD3-36S24B			24	125			
SLD3-36S28B			28	107			
SLD3-36S48B			48	104			
SLD3-36D3V3B			+3.3	300	-3.3	300	

SLD3-36D05B			+5	300	-5	300	
SLD3-36D09B			+9	165	-9	165	
SLD3-36D12B			+12	125	-12	125	
SLD3-36D15B			+15	100	-15	100	
SLD3-36D24B			+24	60	-24	60	
SLD3-48S3V3B	48	36-72	3.3	600			
SLD3-48S05B			5	600			
SLD3-48S09B			9	330			
SLD3-48S12B			12	250			
SLD3-48S15B			15	200			
SLD3-48S18B			18	167			
SLD3-48S24B			24	125			
SLD3-48S28B			28	107			
SLD3-48S48B			48	104			
SLD3-48D3V3B			+3.3	300	-3.3	300	
SLD3-48D05B			+5	300	-5	300	
SLD3-48D09B			+9	165	-9	165	
SLD3-48D12B			+12	125	-12	125	
SLD3-48D15B			+15	100	-15	100	
SLD3-48D24B			+24	60	-24	60	
SLD3-110S3V3B	110	40-160	3.3	600			
SLD3-110S05B			5	600			
SLD3-110S09B			9	330			
SLD3-110S12B			12	250			
SLD3-110S15B			15	200			
SLD3-110S18B			18	167			
SLD3-110S24B			24	125			
SLD3-110S28B			28	107			
SLD3-110S48B			48	104			
SLD3-110D3V3B			+3.3	300	-3.3	300	
SLD3-110D05B			+5	300	-5	300	
SLD3-110D09B			+9	165	-9	165	
SLD3-110D12B			+12	125	-12	125	
SLD3-110D15B			+15	100	-15	100	
SLD3-110D24B			+24	60	-24	60	

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

Output Specifications	
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Item	Typ	Max	Test Conditions
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General Specifications	
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Switching Frequency	280KHz(Typ)	PWM mode
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MTBF	2X10 ⁵ Hrs	MIL-HDBK-217F@25°C
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Isolation (Input-Output)	1.5KVDC	
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Operating Temperature	-40~+85℃	
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Storage Temperature	-55~+125℃	
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Storage Humidity	5-95%RH	Non-condensing
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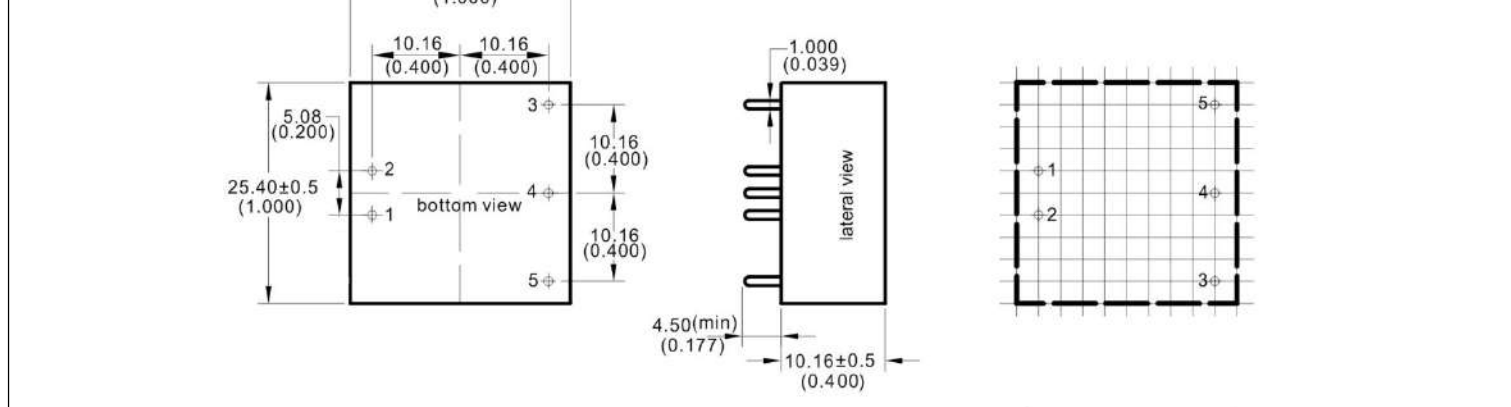
Cooling Method	Free air convection	

Case Material	Aluminum alloy	
Material	15-7 Ti	

Weight	15g (Typ)	
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Dimensions and Recommended Layout

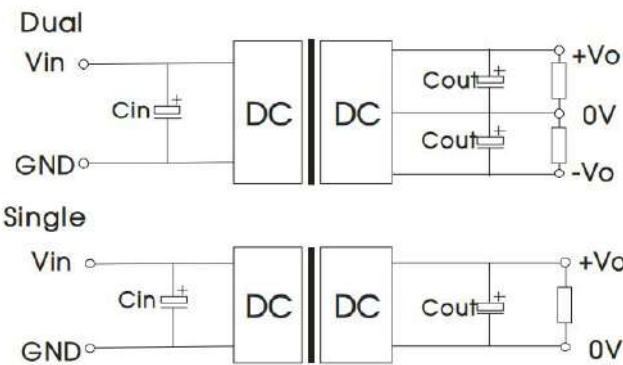
25.40±0.5
(1.000)



Pins	
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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 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.