

LDG 系列

50-75W DCDC 电源模块



典型性能 Features

- ◆ 50-75 瓦功率输出 (50-75 Watts of Output Power)
- ◆ 超宽电压输入 (2: 1Wide Range Input)
- ◆ 长期短路保护, 自恢复 (Short Circuit Protection ,Automatic Recovery)
- ◆ 小型化封装 (Small Package)

电气特性 Electrical Specifications

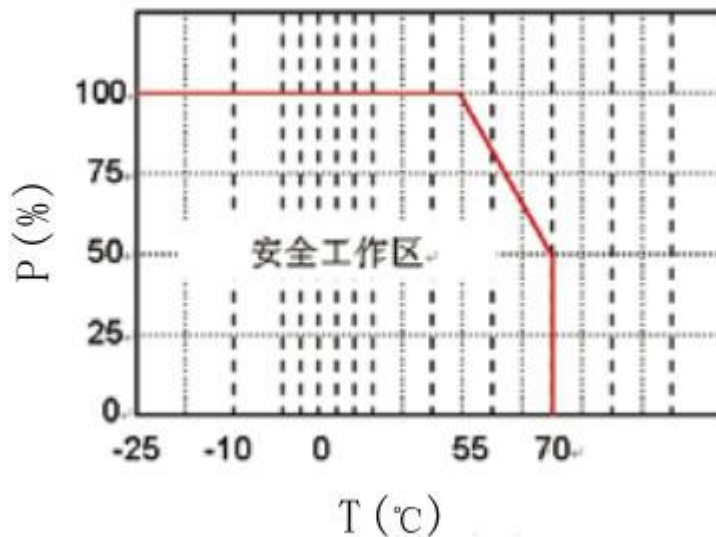
输入特性 Input	Min	Type	Max	Notes
输入电压范围 Input Voltage Range	9V	12V	18V	
	18V	24V	36V	
	36V	48V	72V	
	72V	110V	144V	
控制功能 ON/OFF Control	正逻辑	ON		CNT 悬空或接 TTL 高电平 CNT pin left open or CNT pin connected to TTL logic high
		OFF		CNT 接 TTL 低电平 CNT pin is at a logic low
输入欠压保护 Input Under-voltage Lockout	6V		9V	12V 输入
	13V		18V	24V 输入
	30V		36V	48V 输入
	55V		66V	110V 输入
启动延时时间 Start-up Delay Time		10mS		
输出特性 Output	Min	Type	Max	Notes
输出电压精度 Set point Accuracy			±1%	
负载效应			±0.5%	

Load Regulation				
源效应 Line Regulation			±0.2%	
输出电压调节 TRIM Range			±10%	
动态响应 Dynamic Response	4%Vo Pk deviation 400µS settling time			50~75% load 50~25% load
温度系数 Temperature Regulation	±0.2%/°C			
输出过流保护 Current Limit Threshold	110%		160%	
输出过压保护 Over-voltage Protection	110%		160%	
短路保护 Short-Circuit Protection	长期短路自恢复 Continuous, Automatic Recovery			
综合特性 General	Min	Type	Max	Notes
隔离电压 Isolation Voltage	1500Vdc			Input to Output
	1000Vdc			Input to Case
	500Vdc			Output to Case
开关频率 Switching Frequency		300KHz		
平均故障间隔时间 MTBF				Mil HDBK 217F Tc=25°C
工作壳温 Case Temperature		工业级	加散热片	-25~90°C
		军工级	加散热片	-40~90°C
储存温度 Storage Temperature				-55~105°C
相对湿度 Relative Humidity	10%		90%	
管脚焊接温度 Pin Solder Temperature			250°C	Wave Solder <10S
手工焊接时间 Hand Soldering Time			5S	Iron Temperature 425 °C

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
LD75G-12S12	12V(9~18V)	12V	6.25A				
LD75G-12S15		15V	5A				
LD75G-12S24		24V	3.12A				
LD75G-12S28		28V	2.68A				
LD75G-12S48		48V	1.56A				
LD75G-18S12	18V(9~36V)	12V	6.25A				
LD75G-18S15		15V	5A				
LD75G-18S24		24V	3.12A				
LD75G-18S28		28V	2.68A				
LD75G-18S48		48V	1.56A				
LD75G-24S3V3	24V(18~36V)	3.3V	22.72A				
LD75G-24S05		5V	15A				
LD75G-24S12		12V	6.25A				
LD75G-24S15		15V	5A				
LD75G-24S24		24V	3.12A				
LD75G-24S28		28V	2.68A				
LD75G-24S48		48V	1.56A				
LD75G-36S12	36V (18~72V)	12V	6.25A				
LD75G-36S15		15V	5A				
LD75G-36S24		24V	3.12A				
LD75G-36S28		28V	2.68A				
LD75G-36S48		48V	1.56A				
LD75G-48S05	48V(36~72V)	5V	15A				
LD75G-48S12		12V	6.25A				
LD75G-48S15		15V	5A				
LD75G-48S24		24V	3.12A				

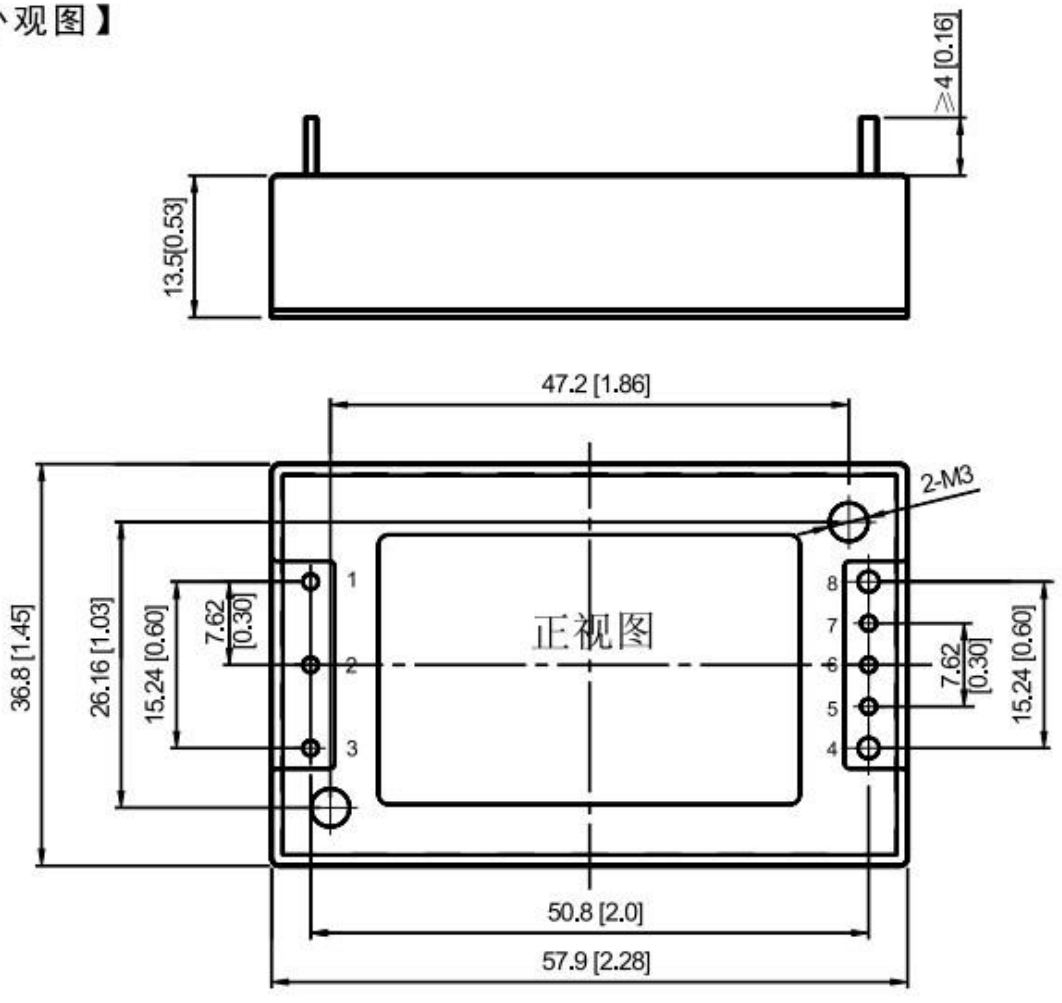
LD75G-48S28		28V	2.68A				
LD75G-48S48		48V	1.56A				
LD75G-110S05	110V(65~150V)	5V	15A				
LD75G-110S12		12V	6.25A				
LD75G-110S15		15V	5A				
LD75G-110S24		24V	3.12A				
LD75G-110S28		28V	2.68A				
LD75G-110S48		48V	1.56A				
LD75G-300S05		300V (200~400V)	5V	15A			
LD75G-300S12	12V		6.25A				
LD75G-300S15	15V		5A				
LD75G-300S24	24V		3.12A				
LD75G-300S28	28V		2.68A				
LD75G-300S48	48V		1.56A				

Temperature Curve



Mechanical Dimension

【外观图】



BOTTON VIEW

Unit:mm(inch)

Tolerance:±0.2mm(±0.008inch)

Mechanical Data

WATT	L x W x H	Packing No.
75W	57.9*36.8*12.7mm	

Pin Assignment

Pin	1	2	3	4	5	6	7	8
Single O/P	-Vin	CTL	+Vin	+Vo	+S	TRIM	-S	-Vo

*Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.