

J5DN SERIES

- 封装尺寸Size dimensional: 50.8x38.1x8.5mm
- 定电压输入, 稳压输出Fixed input, Stabilivolt output
- 转换效率Converter efficiency :60%
- 开关频率Switching frequency:50-100KHz
- 无短路保护No short circuit protection
- 输入与输出隔离Input-output isolate
- PCB板上直插式安装Board in-line type installs
- 温度适应范围Wide temperature range
- 六面金属屏蔽, 超薄封装Six sides metal shielding, ultra-thin

外形图Outside drawing



CE RoHS

输入特性Input

	标称Nom(V)	最小Min(V)	最大Max(V)	输入范围Input range
输入电压范围 Input voltage range	5Vdc	4.75Vdc	5.25Vdc	± 5%
	9Vdc	8.55Vdc	9.45Vdc	± 5%
	12Vdc	11.40Vdc	12.60Vdc	± 5%
	15Vdc	14.25Vdc	15.75Vdc	± 5%
	24Vdc	22.80Vdc	25.20Vdc	± 5%
	48Vdc	48.00Vdc	50.40Vdc	± 5%

输出特性Output

输出电压精度Output voltage accuracy	标称电压Nominal output voltage	Vo1,Vo2: ± 3.0% (Max)
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo1,Vo2: ± 1% (Max)
负载效应Load regulation	20%~100%额定负载Rated load	Vo1,Vo2: ± 1%
输出纹波及噪声Output Ripple and noise	20MHz Bm满载Full load	10~50mVp-p
最小负载Min Load		5%
电压输出形式		稳压输出: Stabilivolt output
启动延迟时间Start delay time	典型值Typical	≤ 200mS
输入保护Input protection	无输入反向保护No Input reverse	自恢复Auto recovery

一般特性General

转换效率Efficiency	Vo ≤ 5.0V: 80% 典型Typical	Vo > 5.0V: 85% 典型Typical
开关频率Switching frequency	100KHz 典型Typical	100KHz 最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25℃ ~ +75℃ 工业级Industrial level
		-40℃ ~ +85℃ 军级Military I level
焊接温度Welding temperature	手工焊接Hand welding	360 ± 10℃; 时间Time : 5~10S
	波峰焊接Wave welding	260 ± 5℃; 时间Time: 3~5S
储存温度Storage temperature		-40℃ ~ +105℃
相对湿度Relative humidity		10%~90%
外壳材料Case material		黑色金属壳Black metal case: DC
隔离电压Isolation voltage	输入与输出Input and output	1000Vdc ≤ 0.5mA/1分钟Minute
	输入与外壳Input and case	1000Vdc ≤ 0.5mA/1分钟Minute
最小无故障间隔时间 (MTBF)		2X10 ⁵ Hrs

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典型应用Type

标称输出电压/输出电流Nom output voltage/current

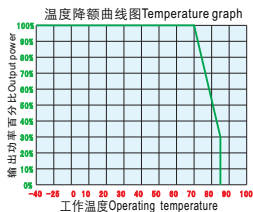
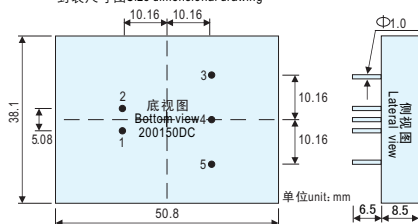
输入电压范围 Input voltage range	单路Single		型号TYPE	双路Dual		型号Type
	V	A		V	A	
5V(4.75-5.25V) 9V(8.55-9.45V) 12V(11.40-12.60V) 15V(14.25-15.75V) 24V(22.80-25.20V) 48V(45.60-50.40V)	5V	1000mA	J5DN05S05B2	±5V	±500mA	J5DN05D05B2
	9V	500mA	J5DN05S09B2	±9V	±250mA	J5DN05D09B2
	12V	416mA	J5DN05S12B2	±12V	±208mA	J5DN05D12B2
	15V	333mA	J5DN05S15B2	±15V	±166mA	J5DN05D15B2
	24V	208mA	J5DN05S24B2	±24V	±104mA	J5DN05D24B2
	5V	1000mA	J5DN12S05B2	±5V	±500mA	J5DN12D05B2
	9V	500mA	J5DN12S09B2	±9V	±250mA	J5DN12D09B2
	12V	416mA	J5DN12S12B2	±12V	±208mA	J5DN12D12B2
	15V	333mA	J5DN12S15B2	±15V	±166mA	J5DN12D15B2
	24V	208mA	J5DN12S24B2	±24V	±104mA	J5DN12D24B2
	5V	1000mA	J5DN24S05B2	±5V	±500mA	J5DN24D05B2
	9V	500mA	J5DN24S09B2	±9V	±250mA	J5DN24D09B2
	12V	416mA	J5DN24S12B2	±12V	±208mA	J5DN24D12B2
	15V	333mA	J5DN24S15B2	±15V	±166mA	J5DN24D15B2
	24V	208mA	J5DN24S24B2	±24V	±104mA	J5DN24D24B2
	5V	1000mA	J5DN48S05B2	±5V	±500mA	J5DN48D05B2
	9V	500mA	J5DN48S09B2	±9V	±250mA	J5DN48D09B2
	12V	416mA	J5DN48S12B2	±12V	±208mA	J5DN48D12B2
	15V	333mA	J5DN48S15B2	±15V	±166mA	J5DN48D15B2
	24V	208mA	J5DN48S24B2	±24V	±104mA	J5DN48D24B2

注1、因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部或办事处联系。

2、当工作温度为+70℃时，应按温度降额曲线图使用。

3、测试条件:所有参数测试均在标称输入电压、纯阻性额定负载及25℃室温环境下测得。

封装尺寸图Size dimensional drawing



管脚说明Pin	1	2	3	4	5
单路Single	-Vin	+Vin	+Vout	NP	GND
双路Dual	-Vin	+Vin	+Vout1	COM	-Vout2