

J3-5DN SERVES

- 封装尺寸Size dimensional: 50.8x25.4x8.5mm
- 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

输入电压范围 Input voltage range	标称Nom(V)	最小Min(V)	最大Max(V)	输入范围Input 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	50~150mVp-p
最小负载Min Load		10%
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	输入反向保护Input reverse protection	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

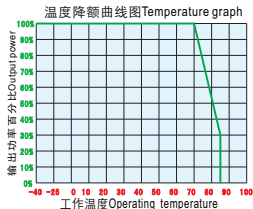
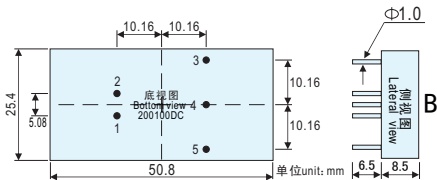
输入电压范围 Input voltage range	标称输出电压/输出电流Nom output voltage/current					
	单路Single		型号TYPE	双路Dual		型号Type
	V	A		V	A	
5V(4.75-5.25V) 9V(8.55-9.45V) 12V(11.40-12.60V) 15V(14.25-15.75V) 24V(22.80-25.20V) 48V(45.60-50.40V)	5V	500mA	J3DN05S05B1	±5V	±250mA	J3DN05D05B1
	9V	333mA	J3DN05S09B1	±9V	±166mA	J3DN05D09B1
	12V	250mA	J3DN05S12B1	±12V	±125mA	J3DN05D12B1
	15V	200mA	J3DN05S15B1	±15V	±100mA	J3DN05D15B1
	24V	125mA	J3DN05S24B1	±24V	±63mA	J3DN05D24B1
	5V	500mA	J3DN12S05B1	±5V	±250mA	J3DN12D05B1
	9V	333mA	J3DN12S09B1	±9V	±166mA	J3DN12D09B1
	12V	250mA	J3DN12S12B1	±12V	±125mA	J3DN12D12B1
	15V	200mA	J3DN12S15B1	±15V	±100mA	J3DN12D15B1
	24V	125mA	J3DN12S24B1	±24V	±63mA	J3DN12D24B1
	5V	1000mA	J5DN24S05B1	±5V	±500mA	J5DN24D05B1
	9V	500mA	J5DN24S09B1	±9V	±250mA	J5DN24D09B1
	12V	416mA	J5DN24S12B1	±12V	±208mA	J5DN24D12B1
	15V	333mA	J5DN24S15B1	±15V	±166mA	J5DN24D15B1
	24V	208mA	J5DN24S24B1	±24V	±104mA	J5DN24D24B1
	5V	1000mA	J5DN48S05B1	±5V	±500mA	J5DN48D05B1
	9V	500mA	J5DN48S09B1	±9V	±250mA	J5DN48D09B1
	12V	416mA	J5DN48S12B1	±12V	±208mA	J5DN48D12B1
	15V	333mA	J5DN48S15B1	±15V	±166mA	J5DN48D15B1
	24V	208mA	J5DN48S24B1	±24V	±104mA	J5DN48D24B1

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