

J10-20DW SERIES

- 封装尺寸Size dimensional: 50.8x25.4x10.16/12.2mm
- 宽范围输入Wide input voltage range
- 转换效率典型Typical efficiency :80%
- 开关频率Switching frequency:300KHz±30KHz
- 过流、短路保护,自恢复Over current、short circuit protection
- 输入与输出高隔离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Six sides metal shielding

外形图Outside drawing



CE RoHS

输入特性Input

输入电压范围 Input voltage range	2:1输入范围input voltage range			4:1输入范围input voltage range		
	标称Nom(V)	最小Min(V)	最大Max(V)	标称Nom(V)	最小Min(V)	最大Max(V)
	6V	4.5V	9V			
	12V	9V	18V			
	24V	18V	36V	18V	9V	36V
	48V	36V	72V	36V	18V	72V
	96/110V	72V	144V			

输出特性Output

输出电压精度Output voltage accuracy	标称电压Nominal output voltage	Vo1:±1.0%;Vo2:±2.0%
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo1:±0.2%;Vo2:±1.5%
负载效应Load regulation	20%~100%额定负载Rated load	Vo1:±0.5%;Vo2:±4.0%
输出纹波及噪声Output Ripple and noise	20MHz Bm满载Full load	Vo≤5V:≤50mVp-p
		Vo≥48V:≤180mVp-p ■ Other:≤100mVp-p
动态响应Dynamic response	25%的标称负载阶跃Nom load stepped	△Vo1/△t:±4.0/500us%
输出电压调节Output voltage adjust		无调节端No adjust
启动延迟时间Start delay time	典型值Typical	≤200mS
输出短路保护Short circuit protection	过流保护Over-current 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	300KHz典型Typical	330KHz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	
6V(4.5-9V) 12V(9-18V) 24V(18-36V) 48V(36-72V) 96/110V(72-144V) 18V(9-36V) 36V(18-72V)	5V	2.0A	J10DW□S05B1	±5V	±1.0A	J10DW□D05B1
	9V	1.1A	J10DW□S09B1	±9V	±550mA	J10DW□D09B1
	12V	833mA	J10DW□S12B1	±12V	±416mA	J10DW□D12B1
	15V	666mA	J10DW□S15B1	±15V	±333mA	J10DW□D15B1
	24V	416mA	J10DW□S24B1	±24V	±208mA	J10DW□D24B1
	5V	2.4A	J12DW□S05B1	±5V	1.2A	J12DW□D05B1
	9V	1.33A	J12DW□S09B1	±9V	±666mA	J12DW□D09B1
	12V	1.0A	J12DW□S12B1	±12V	±500mA	J12DW□D12B1
	15V	800mA	J12DW□S15B1	±15V	±400mA	J12DW□D15B1
	24V	500mA	J12DW□S24B1	±24V	±250mA	J12DW□D24B1
	5V	3.0A	J15DW□S05B1	±5V	±1.5A	J15DW□D05B1
	9V	1.66A	J15DW□S09B1	±9V	±833mA	J15DW□D09B1
	12V	1.25A	J15DW□S12B1	±12V	±625mA	J15DW□D12B1
	15V	1.0A	J15DW□S15B1	±15V	±500mA	J15DW□D15B1
	24V	625mA	J15DW□S24B1	±24V	±312mA	J15DW□D24B1
	5V	4.0A	J20DW□S05B1	±5V	±1.2A	J20DW□D05B1
	9V	2.22A	J20DW□S09B1	±9V	±1.1A	J20DW□D09B1
	12V	1.66A	J20DW□S12B1	±12V	±833mA	J20DW□D12B1
	15V	1.33A	J20DW□S15B1	±15V	±666mA	J20DW□D15B1
	24V	833mA	J20DW□S24B1	±24V	±416mA	J20DW□D24B1

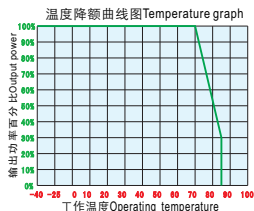
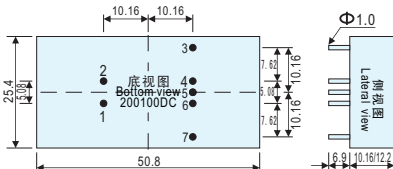
注:1、因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部或办事处联系。

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。

4、□代表选择标称输入电压。

封装尺寸图Size dimensional drawing, 单位unit: mm



管脚说明Pin	1	2	3	4	5	6	7
单路Single	-Vin	+Vin	+Vout	NP	NP	NP	GND
双路Dual	-Vin	+Vin	+Vout1	NP	COM	NP	-Vout2
双路隔离(DI)	-Vin	+Vin	+Vout1	GND1	NP	+Vout2	GND2