

J50-75AW SERIES

- ◎ 封装尺寸Size dimensional: 127.0x88.9x17.2mm
- ◎ 宽范围输入Wide input voltage range
- ◎ 转换效率典型Typical efficiency : 80%
- ◎ 开关频率Switching frequency: 100KHz $\pm$ 10KHz
- ◎ 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
- ◎ 温度适应范围宽Wide temperature range
- ◎ 超薄封装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)	输入比Input
	220AC(310Vdc)	85AC(120Vdc)	265AC(380Vdc)	3:1
	220AC(310Vdc)	165AC(200Vdc)	265AC(380Vdc)	1.65:1
输入频率范围	50Hz	47Hz	440Hz	47-440Hz
遥控端 ON/OFF	无遥控端No remote			

输出特性Output

输出电压精度Output voltage accuracy	标称电压Nominal output voltage	Vo1: $\pm 1.0\%$; Vo2: $\pm 2.0\%$
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo1: $\pm 0.2\%$; Vo2: $\pm 0.5\%$
负载效应Load regulation	20%~100%额定负载Rated load	Vo1: $\pm 0.5\%$; Vo2: $\pm 3.0\%$
输出纹波及噪声 Output Ripple and noise	20MHz Bm满载Full load	Vo $\leq$ 5V: $\leq 80\text{mVp-p}$
		Vo $\geq 48\text{V}$: $\leq 180\text{mVp-p}$;
		其它电压 $\leq 120\text{mVp-p}$
动态响应Dynamic response	25%的标称负载阶跃Nom load stepped	$\Delta\text{Vo1}/\Delta t$: $\pm 4.0/500\text{us}$
输出电压调节Output voltage adjust		$\pm 10\%$ 调节
启动延迟时间Start delay time	典型值Typical	$\leq 500\text{ms}$
输出短路保护Short circuit protection	长期短路Continued short circuit protection	自恢复

一般特性General

转换效率Efficiency	Vo $\leq 5.0\text{V}$: 80%典型Typical	Vo $> 5.0\text{V}$: 82%典型
开关频率Switching frequency	100KHz典型Typical	110KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25 $^{\circ}\text{C}$ ~ +75 $^{\circ}\text{C}$ 工业级
		-40 $^{\circ}\text{C}$ ~ +85 $^{\circ}\text{C}$ 军级
焊接温度Welding temperature	手工焊接Hand welding	360 $\pm 10^{\circ}\text{C}$; 时间: 5~10S
	波峰焊接Wave welding	260 $\pm 5^{\circ}\text{C}$; 时间: 3~5S
储存温度Storage temperature		-40 $^{\circ}\text{C}$ ~ +105 $^{\circ}\text{C}$
相对湿度Relative humidity		10%~90%
外壳材料Case material		黑色金属壳Black metal case: AC
隔离电压Isolation voltage	输入与输出Input and output	2.5KVac $\leq 2\text{mA}$ /1分钟Minute
	输入与外壳Input and case	AC: 1.5KVac $\leq 1\text{mA}$ /1分钟
最小无故障间隔时间 (MTBF)		2X10 ⁴ Hrs

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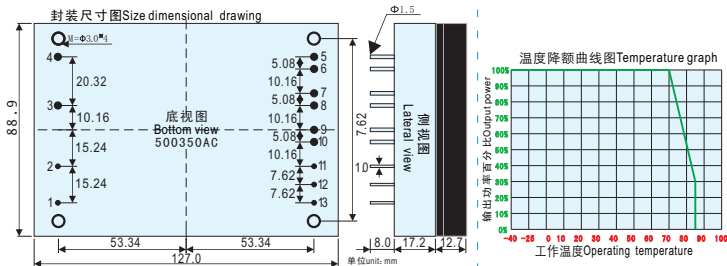
典型应用Type

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					
165-265Vac 200-380Vdc	3.3V	10.0A	J50AW220S3V3E1	±3.3V	±5.0A					J50AW220D3V3E1
	5V	10.0A	J50AW220S05E1	±5V	±5.0A					J50AW220D05E1
	9V	5.55A	J50AW220S09E1	±9V	±2.77A					J50AW220D09E1
	12V	4.16A	J50AW220S12E1	±12V	±2.08A					J50AW220D12E1
	15V	3.33A	J50AW220S15E1	±15V	±1.66A					J50AW220D15E1
	18V	2.77A	J50AW220S18E1	±18V	±1.38A					J50AW220D18E1
	24V	2.08A	J50AW220S24E1	±24V	±1.04A					J50AW220D24E1
	48V	1.04A	J50AW220S48E1	+5V/+12V	5.0/2.08A					J50AW220D05-12E1
85-265Vac 120-380Vdc	3.3V	15.0A	J75AW220S3V3E1	±3.3V	±7.5A					J75AW220D3V3E1
	5V	15.0A	J75AW220S05E1	±5V	±7.5A					J75AW220D05E1
	9V	8.33A	J75AW220S09E1	±9V	±4.16A					J75AW220D09E1
	12V	6.25A	J75AW220S12E1	±12V	±3.125A					J75AW220D12E1
	15V	5.0A	J75AW220S15E1	±15V	±2.5A					J75AW220D15E1
	18V	4.16A	J75AW220S18E1	±18V	±2.08A					J75AW220D18E1
	24V	3.125A	J75AW220S24E1	±24V	±1.56A					J75AW220D24E1
	48V	1.56A	J75AW220S48E1	+5V/+12V	7.5A/3.125A					J75AW220D05-12E1

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。



管脚说明Pin	1	2	3	4	5:6	7:8	9:10	11	12	13
单路Single	NC	FG	AC(N)	AC(L)	+Vout	GND	NC	+S	TRIM	-S
双路Dual	NC	FG	AC(N)	AC(L)	+Vout1	COM	-Vout2	+S	TRIM	-S
双路隔离DI	NC	FG	AC(N)	AC(L)	+Vout1	GND1/Vo2	GND2	+S	TRIM	-S