

J5AW SERIES

- 封装尺寸Size dimensional: 50.8x38.1x12.7mm
- 宽范围输入Wide input voltage range
- 转换效率典型Typical efficiency : 80%
- 开关频率Switching frequency: 60KHz $\pm$ 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: $\leq 80mVp-p$
		Vo $\geq$ 48V: $\leq 180mVp-p$; 其它电压 $\leq 120mVp-p$
动态响应Dynamic response	25%的标称负载阶跃Nom load stepped	$\Delta Vo1/\Delta t: \leq 4.0/500us\%$
输出电压调节Output voltage adjust		无调节端
启动延迟时间Start delay time	典型值Typical	$\leq 500mS$
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 $\leq$ 5.0V: 80%典型Typical	Vo > 5.0V: 82%典型
开关频率Switching frequency	60KHz典型Typical	70KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25 $^{\circ}C$ ~ +75 $^{\circ}C$ 工业级
		-40 $^{\circ}C$ ~ +85 $^{\circ}C$ 军级
焊接温度Welding temperature	手工焊接Hand welding	360 $\pm 10^{\circ}C$; 时间: 5~10S
	波峰焊接Wave welding	260 $\pm 5^{\circ}C$; 时间: 3~5S
储存温度Storage temperature		-40 $^{\circ}C$ ~ +105 $^{\circ}C$
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 $\leq$ 2mA/1分钟Minute
	输入与外壳Input and case	1.5KVac $\leq$ 1mA/1分钟Minute
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	
165-265Vac 200-380Vdc 85-265Vac 120-380Vdc	3.3V	1000mA	J5AW220S3V3B2	±3.3V	±500mA	J5AW220D3V3B2	
	5V	1000mA	J5AW220S05B2	±5V	±500mA	J5AW220D05B2	
	9V	550mA	J5AW220S09B2	±9V	±277mA	J5AW220D09B2	
	12V	416mA	J5AW220S12B2	±12V	±208mA	J5AW220D12B2	
	15V	333mA	J5AW220S15B2	±15V	±166mA	J5AW220D15B2	
	18V	277mA	J5AW220S18B2	±18V	±138mA	J5AW220D18B2	
	24V	208mA	J5AW220S24B2	±24V	±104mA	J5AW220D24B2	
	48V	104mA	J5AW220S48B2	+5V/+12V	500/200mA	J5AW220D05-12B2	
	三路Three					型号Type	
	Vout1		Vout2		Vout3		
	V	A	V	A	V		A
	+5V	500mA	+12V	100mA	-12V		100mA
	+5V	400mA	+15V	100mA	-15V	100mA	J5AW220T05-15B2*

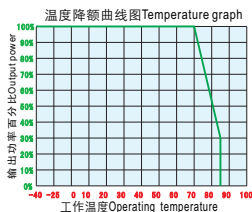
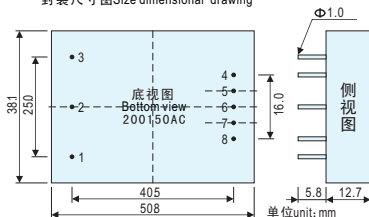
注1、因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部或办事处联系。

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、打“*”产品研发中。

封装尺寸图Size dimensional drawing



管脚说明Pin	1	2	3	4	5	6	7	8
单路Single	FG	AC(N)	AC(L)	+Vout	NP	NP	NP	GND
双路Dual	FG	AC(N)	AC(L)	+Vout1	NP	COM	NP	-Vout2
双路隔离DI	FG	AC(N)	AC(L)	+Vout1	GND1	NP	+Vout2	GND2