

J3AW5 SERVES

- 封装尺寸Size dimensional: 48.5x36.0x20.5mm
- 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

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	Vo $\leq$ 5.0V: $\pm$ 1.0%; Vo $\geq$ 5.0V: $\pm$ 2.0%
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo $\leq$ 5.0V: $\pm$ 0.2%; Vo $\geq$ 5.0V: $\pm$ 0.5%
负载效应Load regulation	20%~100%额定负载Rated load	Vo $\leq$ 5.0V: $\pm$ 0.5%; Vo $\geq$ 5.0V: $\pm$ 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	Δ Vo $\leq$ 5V/ Δ 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 shortcircuit protection	自恢复

一般特性General

转换效率Efficiency	Vo $\leq$ 5.0V: 80%典型Typical	Vo $\geq$ 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	UL94V-0黑色塑壳Black plastic case: AP	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	AP: 5KVac; AC: 1.5KVac $\leq$ 1mA/1分钟
最小无故障间隔时间 (MTBF)		2X10 ⁴ Hrs

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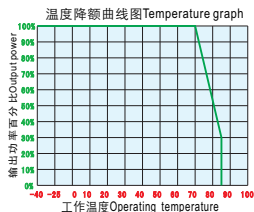
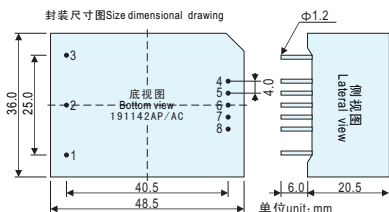
典型应用Type

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		双路Dual		型号Type	
		V	A	V	A		
165-265Vac 200-380Vdc		3.3V	600mA	J3AW220S3V3A4	±3.3V	±300mA	J3AW220D3V3A4
		5V	600mA	J3AW220S05A4	±5V	±300mA	J3AW220D05A4
		9V	330mA	J3AW220S09A4	±9V	±165mA	J3AW220D09A4
		12V	250mA	J3AW220S12A4	±12V	±125mA	J3AW220D12A4
		15V	200mA	J3AW220S15A4	±15V	±100mA	J3AW220D15A4
		18V	170mA	J3AW220S18A4	±18V	±80mA	J3AW220D18A4
		24V	125mA	J3AW220S24A4	±24V	±60mA	J3AW220D24A4
		48V	60mA	J3AW220S48A4	+5V/+12V	360/100mA	J3AW220D05-12A4
		3.3V	1.0A	J5AW220S3V3A4	±3.3V	±500mA	J5AW220D3V3A4
		5V	1.0A	J5AW220S05A4	±5V	±500mA	J5AW220D05A4
		9V	550mA	J5AW220S09A4	±9V	±277mA	J5AW220D09A4
		12V	416mA	J5AW220S12A4	±12V	±208mA	J5AW220D12A4
		15V	333mA	J5AW220S15A4	±15V	±166mA	J5AW220D15A4
		18V	277mA	J5AW220S18A4	±18V	±138mA	J5AW220D18A4
		24V	208mA	J5AW220S24A4	±24V	±104mA	J5AW220D24A4
		48V	104mA	J5AW220S48A4	+5V/+12V	500/200mA	J5AW220D05-12A4
85-265Vac 120-380Vdc		三路Three					
		Vout1		Vout2		Vout3	
		V	A	V	A	V	A
		+5V	360mA	+12V	50mA	-12V	50mA
		+5V	500mA	+15V	50mA	-15V	50mA
		型号Type					
		J3AW220T05-12A4					
		J5AW220T05-15A4					

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
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)	+Vout2	GND2	NP	+Vout1	GND1
三路隔离TI	FG	AC(N)	AC(L)	+Vout2	COM	-Vout3	+Vout1	GND1