

J10-20AW SERIES

- ◎ 封装尺寸Size dimensional: 53.5x28.5x19.0mm
- ◎ 宽范围输入Wide input voltage range
- ◎ 转换效率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

外形图Outside drawing



CE RoHS

输入特性Input

	标称Nom(V)	最小Min(V)	最大Max(V)	输入比Input
输入电压范围 Input voltage range	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%
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo $\geq$ 5.0V: $\pm$ 0.2%
负载效应Load regulation	20%~100%额定负载Rated load	Vo $\geq$ 5.0V: $\pm$ 0.5%
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 Vo1/ Δ t: $\pm$ 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 $>$ 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	
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		型号Type	单路Single		型号Type
	V	A		V	A	
165-265Vac 200-380Vdc	3.3V	2.0A	J10AW220S3V3B13	3.3V	4.0A	J20AW220S3V3B13
	5V	2.0A	J10AW220S05B13	5V	4.0A	J20AW220S05B13
	9V	1.11A	J10AW220S09B13	9V	2.22A	J20AW220S09B13
	12V	833mA	J10AW220S12B13	12V	1.66A	J20AW220S12B13
85-265Vac 120-380Vdc	15V	666mA	J10AW220S15B13	15V	1.33A	J20AW220S15B13
	18V	555mA	J10AW220S18B13	18V	1.11A	J20AW220S18B13
	24V	416mA	J10AW220S24B13	24V	4.0A	J20AW220S24B13
	48V	208mA	J10AW220S48B13	48V	833mA	J20AW220S48B13

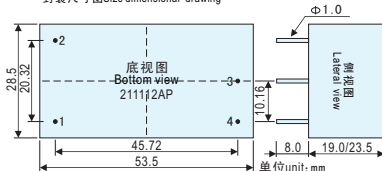
注1、因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部或办事处联系。

2、当工作温度为+70℃时，应按温度降额曲线图使用。

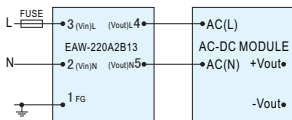
3、测试条件：所有参数测试均在标称输入电压、纯阻性额定负载及25℃室温环境下测得。

4、输出10W外壳高度H=19mm，输出10W外壳高度H=23.5mm。

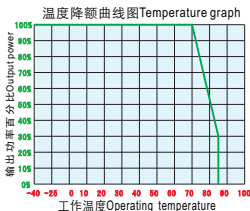
封装尺寸图Size dimensional drawing



EMC连接典型应用Typical adhibition



注：保险丝按照电源模块设计电流选择
FUSE According to the current power module design choice



管脚说明Pin	1	2	3	4
单路Single	AC(N)	AC(L)	GND	+Vout