

J100-150AW SERVES

- 封装尺寸Size dimensional: 139.0x88.0x27.0mm
- 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
- 输入和输出带接线端子Input and output With terminal
- 温度适应范围宽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	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,Vo3: $\pm$ 2.0%
源效应Line regulation	标称负载, 全范围Nominal load, gamut	Vo1: $\pm$ 0.2%;Vo2,Vo3: $\pm$ 0.5%
负载效应Load regulation	20%~100%额定负载Rated load	Vo1: $\pm$ 0.5%;Vo2,Vo3: $\pm$ 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 Vo1/ 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 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	100KHz典型Typical	110KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25 $^{\circ}$ 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	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

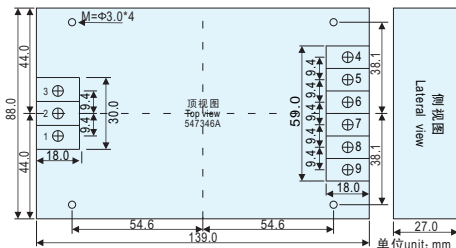
输入电压范围 Input voltage range	标称输出电压/输出电流Nom output voltage/current					
	单路Single		型号Type	双路Dual		型号Type
	V	A		V	A	
165-265Vac 200-380Vdc 85-265Vac 120-380Vdc	3.3V	20.0A	J100AW220S3V3E2	±3.3V	±10.0A	J100AW220D3V3E2
	5V	20.0A	J100AW220S05E2	±5V	±10.0A	J100AW220D05E2
	9V	11.1A	J100AW220S09E2	±9V	±5.55A	J100AW220D09E2
	12V	8.33A	J100AW220S12E2	±12V	±4.16A	J100AW220D12E2
	15V	6.66A	J100AW220S15E2	±15V	±3.33A	J100AW220D15E2
	18V	5.55A	J100AW220S18E2	±18V	±2.77A	J100AW220D18E2
	24V	4.16A	J100AW220S24E2	±24V	±2.08A	J100AW220D24E2
	48V	2.08A	J100AW220S48E2	+5V/+12V	10.0A/4.16A	J100AW220D05-12E2
	3.3V	30.0A	J150AW220S3V3E2	±3.3V	±15A	J150AW220D3V3E2
	5V	30.0A	J150AW220S05E2	±5V	±15A	J150AW220D05E2
	9V	16.6A	J150AW220S09E2	±9V	±8.33A	J150AW220D09E2
	12V	12.5A	J150AW220S12E2	±12V	±6.25A	J150AW220D12E2
	15V	10.0A	J150AW220S15E2	±15V	±5.0A	J150AW220D15E2
	18V	8.33A	J150AW220S18E2	±18V	±4.16A	J150AW220D18E2
24V	6.25A	J150AW220S24E2	±24V	±3.125A	J150AW220D24E2	
48V	3.125A	J150AW220S48E2	+5V/+12V	15.0A/6.25A	J150AW220D05-12E2	

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。

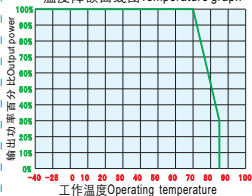
2、当工作温度为+70℃时，应按温度降额曲线图使用。

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

封装尺寸图Size dimensional drawing



温度降额曲线图Temperature graph



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