AC-DC CONVERTER　　AC-DC常规输入系列

J20-30AW SERVES

- ⊙封装尺寸Size dimensional：70.0x48.0x23.5mm
- ⊙宽范围输入Wide input voltage range
- ⊙转换效率典型Typical efficiency ：80%
- ⊙开关频率Swiching frequency : 100KHz±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

	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	Vo1:±1.0%;Vo2,Vo3:±2.0%
源效应Line regulation	标称负载，全范围Nominal load, gamut	Vo1:±0.2%;Vo2,Vo3:±0.5%
负载效应Load regulation	20%～100%额定负载Rated load	Vo1:±0.5%;Vo2,Vo3:±3.0%
输出纹波及噪声 Output Ripple and noise	20MHz Bm满载Full load	Vo≤5V:≤80mVp-p
		Vo≥48V:≤180mVp-p;
		其它电压≤120mVp-p
动态响应Dynamic response	25%的标称负载阶跃Nom load stepped	△Vo1/△t:±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	≤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

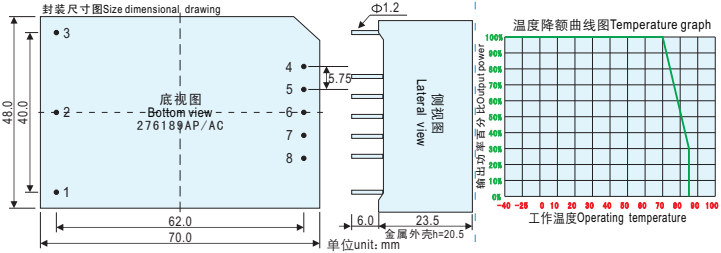
转换效率Effciency	Vo≤5.0V:80%典型Typical	Vo＞5.0V:82%典型
开关频率Switching frequency	100KHz典型Typical	110KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25℃～+75℃工业级
		-40℃～+85℃军级
焊接温度Welding temperature	手工焊接Hand welding	360±10℃;时间:5～10S
	波峰焊接Wave welding	260±5℃;时间 :3～5S
储存温度Storage temperature		-40℃～+105℃
相对湿度Relative humidity		10%～90%
外壳材料Case material	UL94V-O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≤2mA/1分钟Minute
	输入与外壳Input and case	AP:5KVac;AC:1.5KVac≤1mA/1分钟
最小无故障间隔时间 (MTBF)		$2X10^5$Hrs

J20-30AW SERVES

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	4.0A	J20AW220S3V3B9	±3.3V	±2.0A	J20AW220D3V3B9
	5V	4.0A	J20AW220S05B9	±5V	±2.0A	J20AW220D05B9
	9V	2.22A	J20AW220S09B9	±9V	±1.11A	J20AW220D09B9
	12V	1.66A	J20AW220S12B9	±12V	±833mA	J20AW220D12B9
	15V	1.33A	J20AW220S15B9	±15V	±666mA	J20AW220D15B9
	18V	1.11A	J20AW220S18B9	±18V	±555mA	J20AW220D18B9
	24V	833mA	J20AW220S24B9	±24V	±416mA	J20AW220D24B9
	48V	416mA	J20AW220S48B9	+5V/+12V	2.0A/0.83A	J20AW220D05-12B9
	3.3V	5.0A	J25AW220S3V3B9	±3.3V	±2.5A	J25AW220D3V3B9
	5V	5.0A	J25AW220S05B9	±5V	±2.5A	J25AW220D05B9
	9V	2.77A	J25AW220S09B9	±9V	±1.38A	J25AW220D09B9
	12V	2.08A	J25AW220S12B9	±12V	±1.04A	J25AW220D12B9
	15V	1.66A	J25AW220S15B9	±15V	±833mA	J25AW220D15B9
	18V	1.38A	J25AW220S18B9	±18V	±694mA	J25AW220D18B9
	24V	1.04A	J25AW220S24B9	±24V	±520mA	J25AW220D24B9
	48V	520mA	J25AW220S48B9	+5V/+12V	2.5A/1.04A	J25AW220D05-12B9
	三路Three					型号Type
	Vout1		Vout2		Vout3	
	V	A	V	A	V	A	
	+5V	2.5A	+12V	0.52A	-12V	0.52A	J25AW220T05-12B9
	+5V	3.0A	+12V	0.625A	-12V	0.625A	HAW30-220T05-12B9

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