

J30-40DW SERVES

- 封装尺寸Size dimensional: 98.0x52.0x22.0mm
- 宽范围输入Wide input voltage range
- 转换效率典型Typical efficiency :80%
- 开关频率Switching frequency:300KHz $\pm$ 30KHz
- 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	2:1输入范围input voltage range			4:1输入范围input voltage range		
	标称Nom(V)	最小Min(V)	最大Max(V)	标称Nom(V)	最小Min(V)	最大Max(V)
	12V	9V	18V			
	24V	18V	36V	18V	9V	36V
	48V	36V	72V	36V	18V	72V
	96/110V	72V	144V			
遥控端Remote ON/OFF	高电平(5~48v)或悬空工作Hight level or vacant			低电平(<0.3v)或接地关断Low level or ground		

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, Vo3, Vo4: $\pm 1.5\%$
负载效应Load regulation	20%~100%额定负载Rated load	Vo1: $\pm 0.5\%$; Vo2, Vo3, Vo4: $\pm 4.0\%$
输出纹波及噪声Output Ripple and noise	20MHz Bm满载Full load	Vo $\leq$ 5V: $\leq 50\text{mVp-p}$ Vo $\geq$ 48V: $\leq 180\text{mVp-p}$; Other: $\leq 100\text{mVp-p}$
动态响应Dynamic response	25%的标称负载阶跃Nom load stepped	$\Delta\text{Vo}1/\Delta t: \leq 4.0/500\text{us}\%$
输出电压调节Output voltage adjust		无调节端No adjust
启动延迟时间Start delay time	典型值Typical	$\leq 200\text{ms}$
输出短路保护Short circuit protection	过流保护Over-current protection	自恢复Auto recovery

一般特性General

转换效率Efficiency	Vo $\leq$ 5.0V:80%典型Typical	Vo > 5.0V:85%典型Typical
开关频率Switching frequency	300KHz典型Typical	330KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25 $^{\circ}\text{C}$ ~ +75 $^{\circ}\text{C}$ 工业级Industrial level -40 $^{\circ}\text{C}$ ~ +85 $^{\circ}\text{C}$ 军级Military I level
焊接温度Welding temperature	手工焊接Hand welding 波峰焊接Wave welding	360 $\pm$ 10 $^{\circ}\text{C}$; 时间Time: 5~10S 260 $\pm$ 5 $^{\circ}\text{C}$; 时间Time: 3~5S
储存温度Storage temperature		-40 $^{\circ}\text{C}$ ~ +105 $^{\circ}\text{C}$
相对湿度Relative humidity		10%~90%
外壳材料Case material		黑色金属壳Black metal case:DC
隔离电压Isolation voltage	输入与输出Input and output 输入与外壳Input and case	1000Vdc $\leq$ 0.5mA/1分钟Minute 1000Vdc $\leq$ 0.5mA/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 (Out V / A)					型号TYPE
	单路 (S)		型号TYPE	双路 (D/DI)		
	V	A		V	A	
12V(9-18V) 24V(18-36V) 48V(36-72V) 96V(72-144V) 18V(9-36V) 36V(18-72V)	3.3V	6.0A	J30DW□S3V3C9	±3.3V	±3.0A	J30DW□D3V3C9
	5V	6.0A	J30DW□S05C9	±5V	±3.0A	J30DW□D05C9
	9V	3.3A	J30DW□S09C9	±9V	±1.66A	J30DW□D09C9
	12V	2.5A	J30DW□S12C9	±12V	±1.25A	J30DW□D12C9
	15V	2.0A	J30DW□S15C9	±15V	±1.0A	J30DW□D15C9
	18V	1.66A	J30DW□S18C9	±18V	±833mA	J30DW□D18C9
	24V	1.25A	J30DW□S24C9	±24V	±625mA	J30DW□D24C9
	48V	625mA	J30DW□S48C9	+5V;+12V	3.0A;1.25A	J30DW□D05-12IC9
	3.3V	8.0A	J40DW□S3VC9	±3.3V	±4.0A	J40DW□D3V3C9
	5V	8.0A	J40DW□S05C9	±5V	±4.0A	J40DW□D05C9
	9V	4.4A	J40DW□S09C9	±9V	±2.2A	J40DW□D09C9
	12V	3.3A	J40DW□S12C9	±12V	±1.65A	J40DW□D12C9
	15V	2.65A	J40DW□S15C9	±15V	±1.33A	J40DW□D15C9
	18V	2.22A	J40DW□S18C9	±18V	±1.11A	J40DW□D18C9
	24V	1.65A	J40DW□S24C9	±24V	±830mA	J40DW□D24C9
	48V	830mA	J40DW□S48C9	+5V;+12V	4.0A;1.66A	J40DW□D05-12IC9

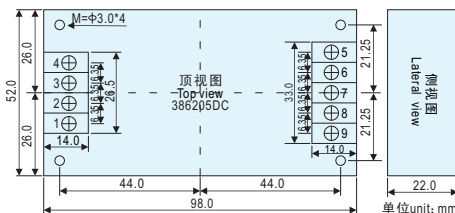
注:1、因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部或办事处联系。

2、当工作温度为+70℃时, 应按温度降额曲线图使用。

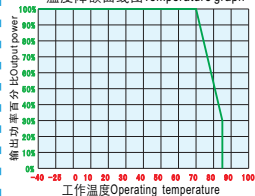
3、测试条件:所有参数测试均在标称输入电压、纯阻性额定负载及25℃室温环境下测得。

4、□代表选择标称输入电压。

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	REM	CASE	-Vin	+Vin	+Vout	GND	NC	NC	TRIM
双路Dual	REM	CASE	-Vin	+Vin	+Vout1	COM	COM	-Vout2	TRIM
双路隔离 (DI)	REM	CASE	-Vin	+Vin	+Vout1	GND1	+Vout2	GND2	TRIM