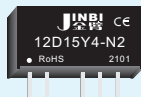


Y4-N2 SERVES

- 封装尺寸Size dimensional: 20.0x7.0x10.0mm
- 定电压输入，非稳压输出Fixed input,Unregulated output
- 转换效率Converter efficiency : 80~89%
- 开关频率Switching frequency : 100-200KHz±30KHz
- 输入反向保护Input reverse 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
- 超薄SIP封装ultra-thin

外形图Outside drawing



CE RoHS

输入特性Input

	标称Nom(V)	最小Min(V)	最大Max(V)	输入范围Input range
输入电压范围 Input voltage range	3.3Vdc	3.0Vdc	3.6Vdc	±10%
	5Vdc	4.5Vdc	5.5Vdc	±10%
	9Vdc	8.1Vdc	9.9Vdc	±10%
	12Vdc	10.8Vdc	13.2Vdc	±10%
	15Vdc	13.5Vdc	16.5Vdc	±10%
	24Vdc	21.6Vdc	26.4Vdc	±10%

输出特性Output

输出电压精度Output voltage accuracy	标称电压Nominal output voltage	Vo1,Vo2:±1.2%(Max)
源效应Line regulation	标称负载，全范围Nominal load, gamut	Vo1,Vo2:±15%(Max)
负载效应Load regulation	20%~100%额定负载Rated load	Vo1,Vo2:±5~15%
线性调整率	输入电压变化±1%	输出电压变化±1~1.5%
输出纹波及噪声Output Ripple and noise	20MHz Bm满载Full load	50~150mVp-p
最小负载Min Load		10%
电压输出形式	输出随输入变化 input change with output	非稳压输出Unregulated output
启动延迟时间Start delay time	典型值Typical	≤200mS
输入保护Input protection	输入反向保护Input reverse protection	自恢复Auto recovery

一般特性General

转换效率Efficiency	Vo ≤ 5.0V:80%典型Typical	Vo > 5.0V:85%典型Typical
开关频率Switching frequency	100KHz典型Typical	200KHz最大Max
工作温度Operating temperature	自由空气对流Free air convection	-25℃~+75℃工业级Industrial level
		-40℃~+85℃军级Military I level
焊接温度Welding temperature	手工焊接Hand welding	360±10℃;时间Time :5~10S
	波峰焊接Wave welding	260±5℃;时间Time: 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-0黑色塑壳Black plastic case :DP
隔离电压Isolation voltage	输入与输出Input and output	1000Vdc≤0.5mA/1分钟Minute
	输入与外壳Input and case	1000Vdc≤0.5mA/1分钟Minute
最小无故障间隔时间 (MTBF)		2X10 ⁵ Hrs

Y4-N2 SERIES

典型应用Type

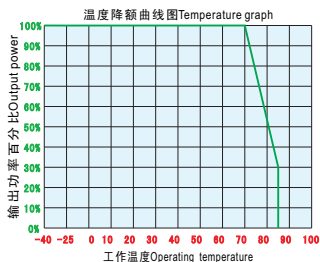
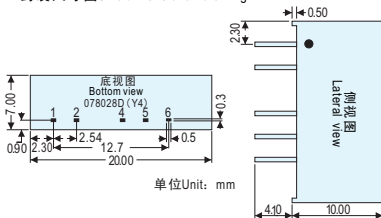
输入电压范围 Input voltage range	标称输出电压/输出电流Nom output voltage/current					
	单路Single		型号TYPE	双路Dual		型号Type
	V	A		V	A	
3V3(3.0-3.6V) 5V(4.5-5.5V) 9V(8.1-9.9V) 12V(10.80-13.2V) 15V(13.5-16.5V) 24V(21.6-26.4V)	5V	400mA	05S05Y4-N2	±5V	±200mA	05D05Y4-N2
	9V	220mA	05S09Y4-N2	±9V	±110mA	05D09Y4-N2
	12V	160mA	05S12Y4-N2	±12V	±80mA	05D12Y4-N2
	15V	133mA	05S15Y4-N2	±15V	±66mA	05D15Y4-N2
	24V	80mA	05S24Y4-N2	±24V	±40mA	05D24Y4-N2
	5V	400mA	12S05Y4-N2	±5V	±200mA	12D05Y4-N2
	9V	220mA	12S09Y4-N2	±9V	±110mA	12D09Y4-N2
	12V	160mA	12S12Y4-N2	±12V	±80mA	12D12Y4-N2
	15V	133mA	12S15Y4-N2	±15V	±66mA	12D15Y4-N2
	24V	80mA	12S24Y4-N2	±24V	±40mA	12D24Y4-N2
	5V	400mA	15S05Y4-N2	±5V	±200mA	15D05Y4-N2
	9V	220mA	15S09Y4-N2	±9V	±110mA	15D09Y4-N2
	12V	160mA	15S12Y4-N2	±12V	±80mA	15D12Y4-N2
	15V	133mA	15S15Y4-N2	±15V	±66mA	15D15Y4-N2
	24V	80mA	15S24Y4-N2	±24V	±40mA	15D24Y4-N2
	5V	400mA	24S05Y4-N2	±5V	±200mA	24D05Y4-N2
	9V	220mA	24S09Y4-N2	±9V	±110mA	24D09Y4-N2
	12V	160mA	24S12Y4-N2	±12V	±80mA	24D12Y4-N2
	15V	133mA	24S15Y4-N2	±15V	±66mA	24D15Y4-N2
	24V	80mA	24S24Y4-N2	±24V	±40mA	24D24Y4-N2

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。

封装尺寸图Size dimensional drawing



管脚说明Pin	1	2	3	4	5	6
单路Single	+Vin	-Vin	NP	GND	NP	+Vout
双路Dual	+Vin	-Vin	NP	-Vout2	COM	+Vout1