

典型性能 Typical performance

- ◆ 宽范围输入 Wide Input voltage range (2:1 or 4:1)
- ◆ 转换效率 (典型 87%) Typical Efficiency 87%
- ◆ 开关频率 Switching frequency: 300KHz
- ◆ 过流,短路保护,自动恢复
Over current/Short circuit protection, Self-furbish
- ◆ 输入与输出高隔离 Input-output isolate
- ◆ PCB 板上直插式安装 Board in-line type installs
- ◆ 金属外壳, 输出波纹低 Metal case, Low Output Ripple


技术参数

测试条件: 如无特殊指定, 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。

Technology parameter

Test condition: General Nominal Line, Tc=25 °C, Rated resistant load unless other wise specified.

输入特性 Input	Min(v)	Nom(v)	Max(v)	Notes
输入电压 Vdc Input voltage	9	12	18	2:1
	18	24	36	2:1
	36	48	72	2:1
	72	110	144	2:1
遥控端(低电平遥控) Remote ON/OFF(Low level remote)	ON	高电平或悬空工作 High level or vacant-Turn on		3.5Vdc ~ +Vin
	OFF	低电平或接地关断 Low level or connect ground-Turn off		≤0.3Vdc
输入欠压保护 Input undervoltage protection	低于低端输入电压, 电源关断输出, 自动恢复 Lower than the low-input voltage protection, Self-furbish			

输出特性 Output

输出电压精度 Voltage accuracy		Vo1	±1.0%
源效应 Line regulation	标称负载, 全电压范围 Nominal Load, full voltage	Vo1	±0.2%
负载效应 Load regulation	20% ~ 100% 额定负载	Vo1	±0.5%
纹波及噪声 Ripple and noise	20MHz BM 满载(Full Load) Vo≤5.0V, ≤50mVp-p; Vo≥48V, ≤180mVp-p; Other, ≤100mVp-p		
动态响应 Dynamic response	25%的标称负载阶跃 25% Nominal load step	ΔVo1/Δt	±4.0/500μ s%
输出电压调节 Voltage adjust	标称输出电压 Nominal output	TRIM	±10% 可调 Adjustable
启动延迟时间 Turn-on delay time	典型值 Typical value		≤200mS

一般特性 General

转换效率 Efficiency	标称电压输入, 满载 Nominal input, Full	$V_o \leq 5.0V$, 80% 典型 Typical	$V_o > 5.0V$, 85% 典型 Typical
开关频率 Switching frequency		300KHz 典型 Typical	最大 MAX 330KHz
工作温度 Operating temperature	自由空气对流 Free air	工业级 Industrial Level	-25°C ~ +55°C
		军品级 Military Level	-40°C ~ +85°C
储存温度 Storage temperature		工业级 Industrial Level	-40°C ~ +105°C
		军品级 Military Level	-55°C ~ +120°C
最大壳温 Max case temperature		工业级 Industrial Level	+100°C
		军品级 Military Level	+110°C
相对湿度 Relative humidity			10%~90%
外壳材料 case material	金属 Meta case		
隔离电压 Isolation Voltage	输入与输出 Input-output 1500 Vdc \leq 0.5mA/1min; 输入与外壳 Input-case 500Vdc \leq 0.5mA / 1min		
最小无故障间隔时间(MTBF)	2X10 ⁵ Hrs		

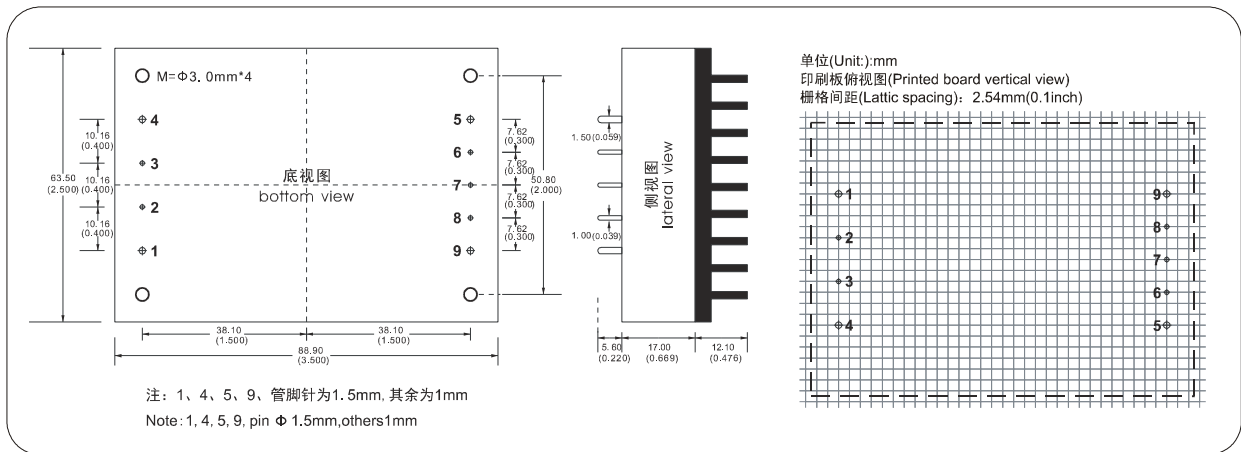
典型产品列表 Typical product tabulates

型号 TYPE	输入电压范围 Input voltage range	输出电压/电流 (Output voltage / current)					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WD40-□S05M1	12 V (9~18V) 24V (18~36V) 48V (36~72V) 110V (72~144V)	5V	8000 mA				
WD40-□S12M1		12V	3300 mA				
WD40-□S15M1		15V	2670 mA				
WD40-□S24M1		24V	1660 mA				
WD50-□S05M1		5V	10000mA				
WD50-□S12M1		12V	4200mA				
WD50-□S15M1		15V	3300mA				
WD50-□S24M1		24V	2100mA				
WD75-□S05M1		5V	15000mA				
WD75-□S12M1		12V	6250mA				
WD75-□S15M1		15V	5000mA				
WD75-□S24M1		24V	3125mA				

注: □ 代表输入电压标称值, 因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部联系。

□ Shows the nominal value of input voltage, due to space limitations, the above list is only for some products, If other than a list of products, please contact the Company's sales department.

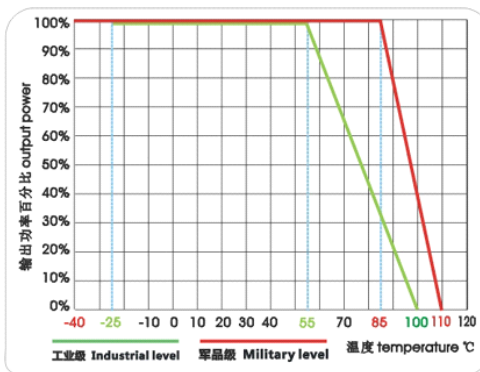
封装尺寸图 Mechanical Data



封装尺寸 Mechanical Data

封装代号	L x W x H	
M1	88.90 × 63.50 × 17.00mm	3.500 × 2.500 × 0.669inch

温度曲线图 Temperature graph



管脚定义 Pin Assignments

单路(S)	1	2	3	4	5	6	7	8	9
	-Vin	REM	CASE	+Vin	+Vout	+S	TRIM	-S	GND

*注意: 电源模块的各管脚定义如与选型手册不符, 应以实物标签上的标注为准。

*Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.