



典型性能 Features

- ◆ 15~50瓦功率输出 (15~50 Watts of Output Power)
- ◆ 宽电压输入 (Wide Range Input)
- ◆ 1~4路输出 (Single、Dual、Triple、Quad Outputs)
- ◆ 带有遥控和输出调节功能 (Control and Trim Functions)

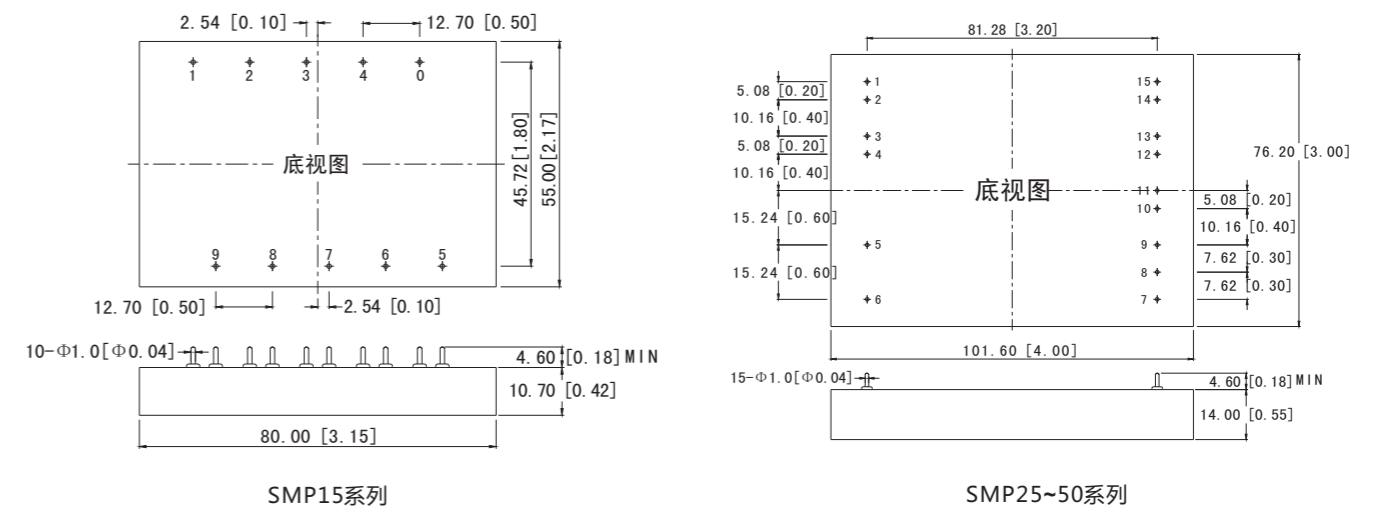
电气特性

输入特性 Input	Min	Type	Max	Notes
输入电压 Vdc Input Voltage	9 18 36 72	12 24 48 110	18 36 72 144	
遥控 Control		On Off		CNT Pin left open or connect to +Vin CNT Pin connect to -Vin
输出特性 Output	Min	Type	Max	Notes
输出电压精度 Setpoint Accuracy			±1% ±3%	Vo1 Vo2、Vo3、Vo4
电压调节 Trim Range			±10% Vo1	Vo2、Vo3、Vo4跟踪Vo1
源效应 Line Regulation			±0.2% ±1.5%	Vo1 Vo2、Vo3、Vo4
负载效应 Load Regulation			±0.5% ±4%	Vo1 Vo2、Vo3、Vo4
动态响应 Dynamic Response			4%Vo Pk deviation 400µs settling time	50~25% load 50~75% load
纹波与噪声 Ripple and Noise			50mVp-p 100mVp-p 200mVp-p	Vo≤5Vdc Other Vo≥48Vdc
温度系数 Temperature Regulation		±0.2%/°C		
综合特性 General	Min	Type	Max	Notes
隔离电压 Isolation Voltage			1500Vdc 500Vdc 500Vdc 1000Vac	Input-Output Input-Case Output-Case Input-Output (Vin=110Vdc)
开关频率 Switching Frequency		300KHz		
效率 Efficiency		82%		
平均故障间隔时间 MTBF		2×10 ⁶		Mil HDBK 217F Tc=25°C
工作壳温 Case Temperature	-40°C		+95°C	
储存温度 Storage Temperature	-55°C		+125°C	
相对湿度 Relative Humidity	10%		90%	
短路保护 Short-Circuit Protection	长期短路自恢复 Continuous Automatic Recovery			

型号 Model	输入电压 (Vdc) Input	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current			
			15W	25W	35W	50W
SMP-1□1S□	A (9-18V)	5.05	3	5	7	10
SMP-1□2S□		12	1.25	2.08	3	4
SMP-1□3S□		15	1	1.67	2.33	3.33
SMP-1□4S□	B (18-36V)	24	0.625	1	1.46	2.08
SMP-1□5S□		48	0.31	0.52	0.73	1.0
SMP-1□1D□		+5.05/-5.05	+2/-1	+4/-1	+5.5/-1.5	+8/-2
SMP-1□2D□	C (36-72V)	+12/-12	+1/-0.5	+1.6/-0.5	+2.5/-0.5	+3/-1
SMP-1□3D□		+15/-15	+0.8/-0.4	+1.2/-0.5	+2.0/-0.5	+2.5/-1
SMP-1□2T□		+5.05/+12.6/-12.6	+2/+0.25/-0.25	+4/+0.25/-0.25	+5/+0.5/-0.5	/
SMP-1□3T□	D (72-144V)	+5.05/+15/-15	+2/+0.2/-0.2	+4/+0.2/-0.2	+5/+0.4/-0.4	/
SMP-1□2Q□		+5.05/-5.05/+12.6/-12.6	/	+3.5/-0.5/+0.25/-0.25	+4/-1/+0.5/-0.5	/
SMP-1□3Q□		+5.05/-5.05/+15/-15	/	+3.5/-0.5/+0.2/-0.2	+4/-1/+0.4/-0.4	/

注1: □代表所需输出功率Output Power
□代表所需输入电压Input Volt

机械图及管脚说明 (Mechanical Chart、 Pins) (Unit : mm / inch)



SMP15系列

管脚 Pin	0	1	2	3	4	5	6	7	8	9
单路Single	NP	CNT	TRIM	-Vin	+Vin	NC	NC	-Vo	+Vo	-Vo
双路Dual	NP	CNT	TRIM	-Vin	+Vin	Vo2	COM	COM	Vo1	COM
叁路Triple	NP	CNT	TRIM	-Vin	+Vin	Vo3	Vo2	COM	+Vo1	-Vo1

SMP25~50系列

管脚 Pin	1, 2	3, 4	5	6	7	8	9	10, 11	12, 13	14, 15
单路Single	+Vin	-Vin	CASE	CNT	-S	TRIM	+S	NC	-Vo	+Vo
双路Dual	+Vin	-Vin	CASE	CNT	-S	TRIM	+S	Vo2	COM	Vo1
叁路Triple	+Vin	-Vin	CASE	CNT	Vo3	COM	Vo2	NC	-Vo1	+Vo1
肆路Quad	+Vin	-Vin	CASE	CNT	Vo4	COM2	Vo3	Vo2	COM1	Vo1