SF-30W Series

特 点

* 外形尺寸: 50.8 × 50.8 × 12.7 mm
* 2: 1电压输入范围
* 固定开关频率
* 六面金属封装

Features

* Small Size: 2.00 × 2.00 × 0.50 inch
* 2: 1 Input Voltage Range
* Constant Frequency
* Encapsulated in Metal Cases

输入特性(Input)

注释(Notes and Conditions)

输入电压范围(Input Voltage Range)			
标称(Nominal)	48Vdc	36~72Vdc	80Vdc Max
遥控功能(Remote On/Off Function)			
正逻辑(Positive Logic)	开启(On)	+5Vdc 或悬空(Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭(Off)	零电平或短路	
		(Connect to -Vin)	

输出特性(Output)

注释(Notes and Conditions)

输出电压精度(Voltage Set-Point Accuracy)	± 1%	Vinom and Ionom
源效应(Line Regulation)	± 0.2%Vo	Vimin~Vimax, Ionom
负载效应(Load Regulation)	± 1%Vo	10%~100%Ionom, Vinom
瞬态响应(Dynamic Response)		
过冲幅度(Peak Deviation)	± 5%Vo	25%-50%-25% of Ionom
恢复时间(Settling Time)	200 μ s	and 50%-75%-50% of Ionom
输出过流保护点(Current Limit Threshold Range)	110%~160%Io	
短路保护(Short-Circuit Protection)	连续可恢复	
	(Continuous ,Automatic Recovery)	

一般特性(General)

注释(Notes and Conditions)

温度系数(Temperature Coefficient)	± 0.02%/℃	
隔离电压(Isolation Voltage)		
输入与输出(Input-Output)	500Vdc or 350Vac 1min	
输入与外壳(Input-Case)	500Vdc or 350Vac 1min	
输出与外壳(Output-Case)	500Vdc 1min	
工作壳温(Operating Case Temperature)	- 25℃~+ 85℃	
贮存温度(Storage Temperature)	- 40℃~+ 125℃	
冷却方式(Cooling)	自然冷却(Natural Convection)	
平均故障间隔时间(MTBF)	2×10^5h	MIL-HDBK-217
重量(Weight)	75g	

注：除非另有说明，指标一般在标称输入电压、满载和 25℃环境温度下测得。

Note: All specifications are typical at nominal input ,full load at 25℃ unless otherwise stated.

SF-30W Series

**BCT®**

型号列表（Models）

产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
SF48S70-30W	48	70	0.43	30	88	450
SF48S96-30W	48	96	0.31	30	88	450

安装尺寸(Mechanical Drawing)

尺寸单位是 mm(inches); All Dimensions in mm (inches)

底视图
(Bottom View)
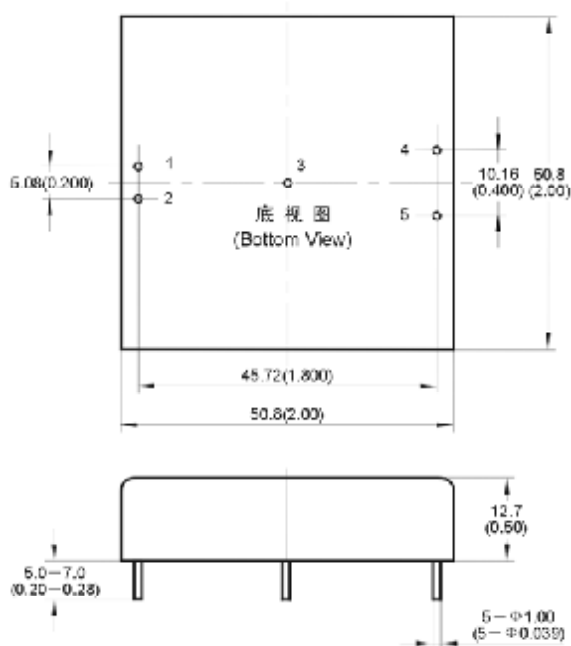
引脚定义（Pin Definition）

引脚(Pin)	单路(Single)
1	+Vin
2	-Vin
3	Rem
4	+Vout
5	-Vout

未注公差按下表
(Tolerances Unless Otherwise Specified)

mm	inches
.x ±0.5	.xx ±0.02
.xx ±0.13	.xxx ±0.005

应用电路推荐(Recommended Application Circuit)
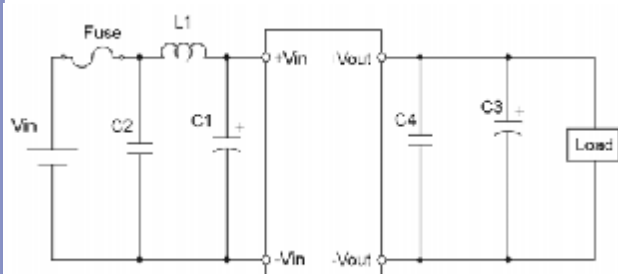
温度降额曲线(Temperature Derating Curve)