



特点

- * 3:1, 4:1 输入电压范围
- * 高效率、高功率密度
- * 固定开关频率
- * 六面金属封装

Features

- * 3:1, 4:1 Range of Input Voltage
- * High Efficiency, High Power Density
- * 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	18~72Vdc	80Vdc Max
标称 (Nominal) ¹	48Vdc	20~60Vdc	70Vdc Max
输入过压保护 (Input Overvoltage Protection) ³			
		> Vimax	
遥控功能 (Remote On/Off Function) ¹			
正逻辑 (Positive Logic)	开启 (On)	> 5V 或悬空 (Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	≤ 2V 或与 -Vin 短接	
遥控功能 (Remote On/Off Function) ²			
正逻辑 (Positive Logic)	开启 (On)	≥ 2V 或悬空 (Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	≤ 0.4V 或与 -Vin 短接	

输出特性 (Output)

注释 (Notes and Conditions)

输出电压精度 (Voltage Set-Point Accuracy)			± 1%	Vinom and Ionom
输出电压调节范围 (Output Voltage Trim Range) ¹			± 10%	
源效应 (Line Regulation) ³			Vo1: ± 1%Vo (Vo2: ± 3%Vo)	Vimin~Vimax, Ionom
源效应 (Line Regulation) ²			Vo1: ± 0.2%Vo (Vo2, Vo3: ± 1.5%Vo)	Vimin~Vimax, Ionom
负载效应 (Load Regulation) ³			Vo1: ± 1%Vo (Vo2: ± 3%Vo)	10%~100%Ionom, Vinom
负载效应 (Load Regulation) ²			Vo1: ± 0.5%Vo (Vo2, Vo3: ± 4%Vo)	20%~100%Ionom, Vinom
输出过流保护点 (Current Limit Threshold Range) ³			Vo1: 110%~150%Io (Vo2: 110%~400%Io)	
输出过流保护点 (Current Limit Threshold Range) ²			Vo1: 110%~150%Io (Vo2, Vo3: 110%~400%Io)	
短路保护 (Short-Circuit Protection)			连续可恢复	
			(Continuous, Automatic Recovery)	
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 μs	and 50%-75%-50% of Ionom

一般特性 (General)

注释 (Notes and Conditions)

温度系数 (Temperature Coefficient)		± 0.02%/°C
隔离电压 (Isolation Voltage)		
输入与输出 (Input-Output)	1000Vdc 1min	
输入与外壳 (Input-Case)	1000Vdc 1min	
输出与外壳 (Output-Case)	1000Vdc 1min	
工作壳温 (Operating Case Temperature)		-25°C ~ +85°C
贮存温度 (Storage Temperature)		-40°C ~ +125°C
冷却方式 (Cooling)		自然冷却 (Natural Convection)
平均故障间隔时间 (MTBF)		2 × 10 ⁵ h
		MIL-HDBK-217

注 (Notes):

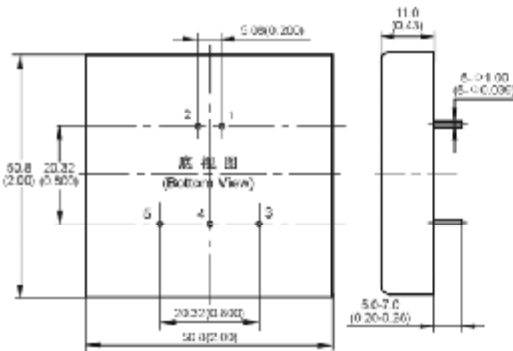
- 1 适用于 SFW48S5-25W (SFW48S5-25W Only).
- 2 适用于 SFW48T051205 (For SFW48T051205).
- 3 适用于 SFW48S5-25W、SFW48D5-15W (SFW48S5-25W, SFW48D5-15W Only).

型号列表 (Models)

产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	输入电压范围 (Voltage Range) 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
SFW48D5-15W	48	18~72	± 5	+2.6 / -0.4	15	80	50
SFW48S5-25W	48	20~60	5	5	25	80	50
SFW48T051205-15W	48	18~72	5/12.4/-5	2/0.25/-0.5	15	82	50/100/50
SFW48T051205-25W	48	18~72	5/12.6/-5	3/0.5/-0.7	25	82	50/100/50
SFW48T051205-30W	48	18~72	5/12.4/-5	4/0.5/-1.0	31	82	50/100/50

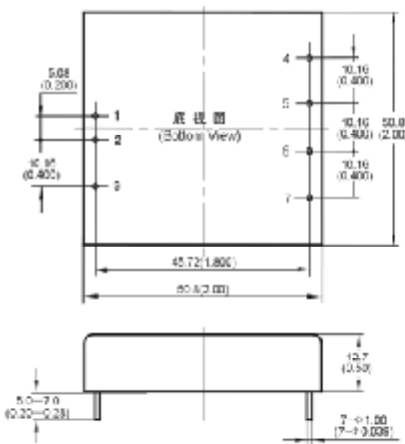
SFW48D5-15W 安装尺寸 (Mechanical Drawing)

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



引脚 (Pin)	双路 (Dual)
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

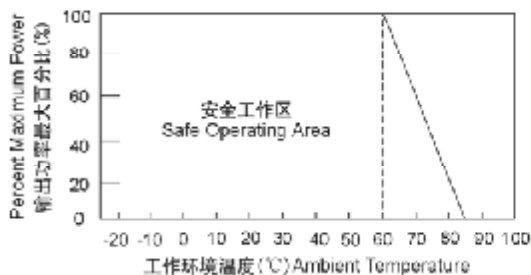
其它产品型号安装尺寸 (Mechanical Drawing)



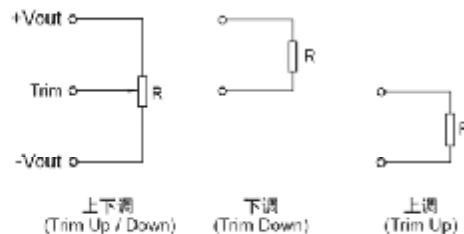
引脚 (Pin)	单路 (Single)	三路 (Triple)
1	+Vin	+Vin
2	-Vin	-Vin
3	Rem	Rem
4	NP	+Vout2
5	+Vout	+Vout1
6	-Vout	COM
7	Trim	-Vout3

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

温度降额曲线 (Temperature Derating Curve)



SFW48S5-25W 输出电压调节 (Output Voltage Trim)



注: 除非另有说明, 指标一般在标称输入电压、满载和 25°C 环境温度下测得。

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