

DC/DC CF 系列

引出脚功能兼容，宽电压输入范围

50-125W



物理特性

结构尺寸: 87.6*61*16.1mm
重量: 0.13Kg

特性

Features

- 输入 π 型滤波 π type input filter
- 高功率密度 High power density
- 快速动态响应 Fast dynamic response
- 功率覆盖范围广，便于升级 Wide range of power ,easy to upgrade
- 小体积，大功率输出 Small form factor,High output power
- 自然冷却可附带散热器 Natural cooling,heat sink attachable

输入特性

Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{DC}
	24V _{DC} (Normal)	18-36V _{DC}
	48V _{DC} (Normal)	36-72V _{DC}
	110V _{DC} (Normal)	66-160V _{DC}

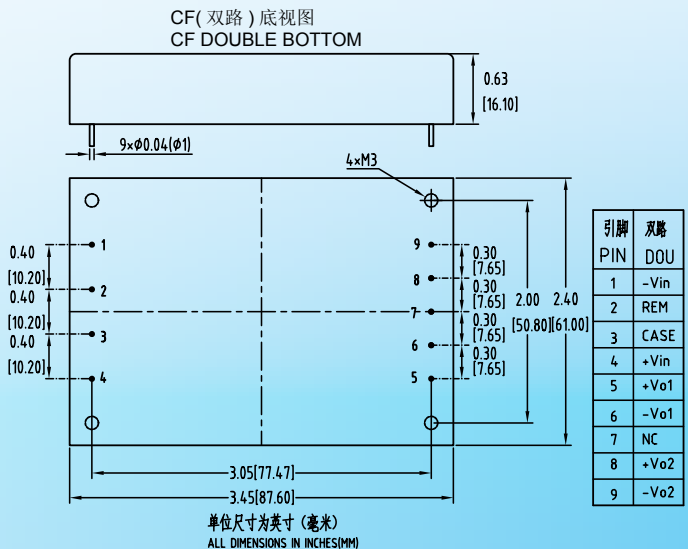
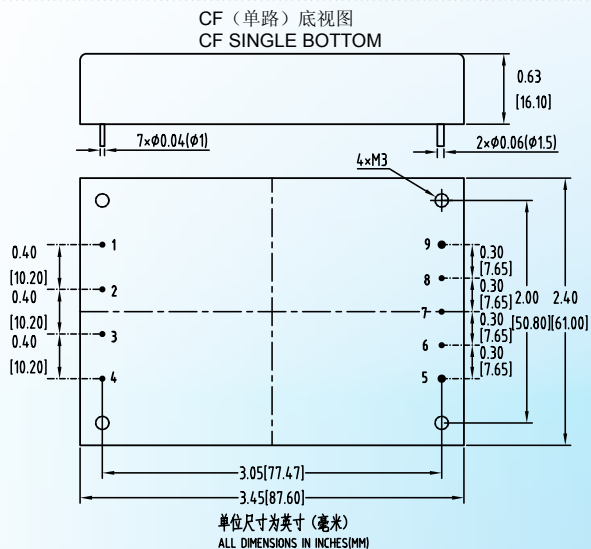
输出特性

Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	$\pm 1\%$
输出电压调节范围: (Line Regulation)	$\pm 10\%$
电压调整率: (Line Regulation)	$\pm 0.2\%$
负载调整率: (Load Regulation)	$\pm 0.5\%$
温度变化率: (Temperature Coefficient)	$\pm 0.02\% / ^\circ\text{C}$
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

尺寸图

Dimensioned Drawing



一般特性

General Characteristics

工作频率 (典型值): (Switching Frequency)	200 KHz
隔离电阻: (Isolation Resistance)	200 (Typ)M Ω
MTBF:	>500000 hrs

绝缘强度 (Insulation Voltage)

输入 - 输出: (Input-Output)	> 1500 V _{DC}
输入 - 外壳: (Input-Case)	> 1050 V _{DC}
输出 - 外壳: (Output-Case)	> 500 V _{DC}

环境特性 (Environmental Characteristics)

工作壳温: (Operation Temperature)	工业品 (Industry)	-25~+85 $^\circ\text{C}$
	军 I (Military I)	-40~+85 $^\circ\text{C}$
存储温度: (Storage Temperature)	军 II (Military II)	-55~+85 $^\circ\text{C}$
	工业品 (Industry)	-45~+105 $^\circ\text{C}$
	军品 (Military)	-55~+105 $^\circ\text{C}$

热阻特性

Thermal Characteristics

冷却方式: (Cooling)	热阻 (Thermal Resistance)
自然风冷: (Breeze of Nature)	3.85 $^\circ\text{C} / \text{W}$
0.5M/S	2.87 $^\circ\text{C} / \text{W}$
1M/S	2.09 $^\circ\text{C} / \text{W}$
1.5M/S	1.73 $^\circ\text{C} / \text{W}$
2M/S	1.52 $^\circ\text{C} / \text{W}$

DC/DC CF 系列

型号

Models

	输入电压 (Vdc) Input Voltage	输入电压 (范围) Input Voltage<Range>	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current	纹波 pk-pk (mV) Ripple and noise	效率 (Typ) Efficiency	型号 Models	
单	12	9-18	5	10	50	82%	CF50-12S05	
	12	9-18	12	4.17	120	82%	CF50-12S12	
	12	9-18	24	2.08	200	83%	CF50-12S24	
	12	9-18	12	6.25	120	83%	CF75-12S12	
	12	9-18	24	3.13	200	83%	CF75-12S24	
	12	9-18	12	8.33	120	83%	CF100-12S12	
	12	9-18	24	4.17	200	82%	CF100-12S24	
	12	9-18	12	10.42	120	83%	CF125-12S12	
	12	9-18	24	5.21	200	83%	CF125-12S24	
	12	9-18	48	2.6	300	83%	CF125-12S48	
	24	18-36	5	10	50	82%	CF50-24S05	
	24	18-36	12	4.17	120	82%	CF50-24S12	
	24	18-36	24	2.08	200	83%	CF50-24S24	
	24	18-36	48	1.04	300	84%	CF50-24S48	
	24	18-36	12	6.25	120	83%	CF75-24S12	
	24	18-36	24	3.13	200	83%	CF75-24S24	
	24	18-36	48	1.56	300	83%	CF75-24S48	
	24	18-36	12	8.33	120	83%	CF100-24S12	
	24	18-36	24	4.17	200	82%	CF100-24S24	
	24	18-36	48	2.08	300	82%	CF100-24S48	
	24	18-36	12	10.42	120	83%	CF125-24S12	
	24	18-36	24	5.21	200	83%	CF125-24S24	
	24	18-36	48	2.6	300	83%	CF125-24S48	
	路	48	36-72	5	10	50	82%	CF50-48S05
		48	36-72	12	4.17	120	82%	CF50-48S12
		48	36-72	24	2.08	200	83%	CF50-48S24
		48	36-72	48	1.04	300	84%	CF50-48S48
		48	36-72	12	6.25	120	83%	CF75-48S12
48		36-72	24	3.13	200	83%	CF75-48S24	
48		36-72	48	1.56	300	83%	CF75-48S48	
48		36-72	12	8.33	120	83%	CF100-48S12	
48		36-72	24	4.17	200	82%	CF100-48S24	
48		36-72	48	2.08	300	82%	CF100-48S48	
48		36-72	12	10.42	120	83%	CF125-48S12	
48		36-72	24	5.21	200	83%	CF125-48S24	
48		36-72	48	2.6	300	83%	CF125-48S48	
110		66-160	12	4.17	120	82%	CF50-110S12	
110		66-160	24	2.08	200	83%	CF50-110S24	
110		66-160	48	1.04	300	84%	CF50-110S48	
110		66-160	12	6.25	120	83%	CF75-110S12	
110		66-160	24	3.13	200	83%	CF75-110S24	
110		66-160	48	1.56	300	83%	CF75-110S48	
110		66-160	12	8.33	120	83%	CF100-110S12	
110		66-160	24	4.17	200	82%	CF100-110S24	
110		66-160	48	2.08	300	82%	CF100-110S48	
双		12	9-18	12&12	2&2	120&120	83%	CF50-12D12&12
		12	9-18	12&12	3.13& 3.13	120&120	83%	CF75-12D12&12
		24	18-36	05&12	4&2.5	50&120	83%	CF50-24D05&12
		24	18-36	12&12	2&2	120&120	83%	CF50-24D12&12
		24	18-36	05&12	5&4.17	50&120	82%	CF75-24D05&12
		24	18-36	12&12	3.13& 3.13	120&120	82%	CF75-24D12&12
	48	36-72	12&12	2&2	120&120	82%	CF50-48D12&12	
	48	36-72	12&12	3.13& 3.13	120&120	82%	CF75-48D12&12	

■ 说明: 仅列出典型型号, 其它型号请确定功率、输入电压及输出电压后, 致电我公司。

Only typical models and listed. If you need other models, please confirm the power, input voltage and output voltage, then phone us.