

DC/DC CE,CEH 系列

引出脚功能兼容，输入可 9-36V
(四倍电压输入)，安装方便

50-75W



特性

Features

- 输入 π 型滤波 π type input filter
- 可高压输入 High voltage input
- 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
- 高功率密度 High power density
- 输入电压范围宽 Wide range of input voltage

输入特性

Input Characteristics

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

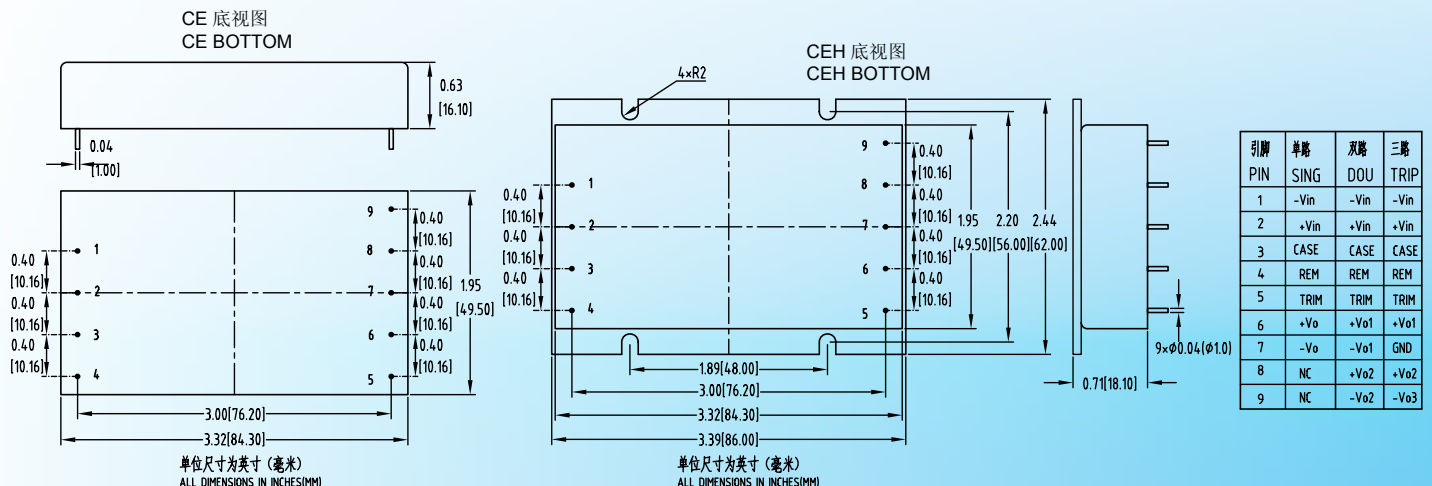
输出特性

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(主路): (Line Regulation)	$\pm 0.2\%$
负载调整率(主路): (Load Regulation)	$\pm 0.5\%$
温度变化率: (Temperature Coefficient)	$\pm 0.02\% / ^\circ\text{C}$
交叉调节率(Cross Regulation) (主路 30%-100% 负载, 辅路 80% 负载) (Main load 30%-100%, Aux load 80%)	$\pm 3\%$
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

尺寸图

Dimensioned Drawing



物理特性

结构尺寸: 84.3*49.5*16.1mm(CE)
86*62*18.1mm(CEH)
重量: CE:0.15Kg CEH:0.14Kg

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 $^\circ\text{C}$
	军 II (Military II)	-55~+85 $^\circ\text{C}$
存储温度: (Storage Temperature)	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(CE) 热阻(CEH) (Thermal Resistance)	
自然风冷: (Breeze of Nature)	4.17 $^\circ\text{C}/\text{W}$	5.82 $^\circ\text{C}/\text{W}$
0.5M/S	3.48 $^\circ\text{C}/\text{W}$	5.26 $^\circ\text{C}/\text{W}$
1M/S	2.59 $^\circ\text{C}/\text{W}$	3.27 $^\circ\text{C}/\text{W}$
1.5M/S	1.89 $^\circ\text{C}/\text{W}$	2.38 $^\circ\text{C}/\text{W}$
2M/S	1.56 $^\circ\text{C}/\text{W}$	1.97 $^\circ\text{C}/\text{W}$

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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
单路	12	9-18	5	10	50	82%	CE (H) 50-12S05
	12	9-18	12	4.17	120	82%	CE (H) 50-12S12
	12	9-18	24	2.08	200	83%	CE (H) 50-12S24
	12	9-18	48	1.04	300	84%	CE (H) 50-12S48
	12	9-18	5	12	50	82%	CE (H) 60-12S05
	12	9-18	12	5	120	82%	CE (H) 60-12S12
	12	9-18	24	2.5	200	83%	CE (H) 60-12S24
	12	9-18	36	1.67	300	84%	CE (H) 60-12S36
	12	9-18	48	1.25	300	84%	CE (H) 60-12S48
	18	9-36	12	6.25	120	82%	CE (H) 75-18S12
	18	9-36	24	3.13	200	83%	CE (H) 75-18S24
	18	9-36	48	1.56	300	84%	CE (H) 75-18S48
	24	18-36	5	10	50	82%	CE (H) 50-24S05
	24	18-36	12	4.17	120	82%	CE (H) 50-24S12
	24	18-36	24	2.08	200	83%	CE (H) 50-24S24
	24	18-36	48	1.04	300	84%	CE (H) 50-24S48
	24	18-36	5	12	50	82%	CE (H) 60-24S05
	24	18-36	12	5	120	82%	CE (H) 60-24S12
	24	18-36	24	2.5	200	83%	CE (H) 60-24S24
	24	18-36	36	1.67	300	84%	CE (H) 60-24S36
	24	18-36	48	1.25	300	84%	CE (H) 60-24S48
	24	18-36	12	6.25	120	82%	CE (H) 75-24S12
	24	18-36	24	3.13	200	83%	CE (H) 75-24S24
	24	18-36	48	1.56	300	84%	CE (H) 75-24S48
	48	36-72	5	10	50	82%	CE (H) 50-48S05
	48	36-72	12	4.17	120	82%	CE (H) 50-48S12
	48	36-72	24	2.08	200	83%	CE (H) 50-48S24
	48	36-72	48	1.04	300	84%	CE (H) 50-48S48
	48	36-72	12	5	120	82%	CE (H) 60-48S12
	48	36-72	24	2.5	200	83%	CE (H) 60-48S24
	48	36-72	36	1.67	300	84%	CE (H) 60-48S36
	48	36-72	48	1.25	300	84%	CE (H) 60-48S48
48	36-72	12	6.25	120	82%	CE (H) 75-48S12	
48	36-72	24	3.13	200	83%	CE (H) 75-48S24	
48	36-72	48	1.56	300	83%	CE (H) 75-48S48	
110	66-160	12	5	120	82%	CE (H) 60-110S12	
110	66-160	15	4	150	83%	CE (H) 60-110S15	
110	66-160	12	6	120	82%	CE (H) 75-110S12	
110	66-160	24	3.13	200	83%	CE (H) 75-110S24	
双路	12	9-18	12&12	2.08&2.08	120&120	82%	CE (H) 50-12D12&12
	12	9-18	15&15	2&2	150&150	83%	CE (H) 60-12D15&15
	24	18-36	12&12	3.13&3.13	120&120	82%	CE (H) 75-24D12&12
	24	18-36	15&15	2.5&2.5	150&150	83%	CE (H) 75-24D15&15
	48	36-72	12&12	2.5&2.5	120&120	82%	CE (H) 60-48D12&12
	48	36-72	24&24	1.56&1.56	200&200	83%	CE (H) 75-48D24&24
	110	66-160	12&12	2.5&2.5	120&120	83%	CE (H) 60-110D12&12
	110	66-160	12&12	3.13&3.13	120&120	83%	CE (H) 75-110D12&12
三路	12	9-18	±05, +12	2/2/2.5	50/50/120	82%	CE (H) 50-12T05+12
	24	18-36	±12, +05	2.08/2.08/2	120/120/50	82%	CE (H) 60-24T12+05
	24	18-36	±15, +05	1.67/1.67/2	150/150/50	83%	CE (H) 60-24T15+05
	48	36-72	±05, +15	2.5/2.5/3.33	50/50/150	82%	CE (H) 75-48T05+15
48	36-72	±15, +05	1.67/1.67/2.5	150/150/50	83%	CE (H) 75-48T15+05	

■ 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.