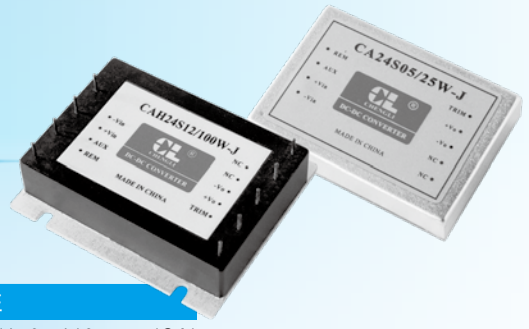


# DC/DC CA,CAH 系列

25-40W

引出脚功能兼容，输入可 9-36V  
(四倍电压输入)，安装方便



## 特性

### Features

- 输入  $\pi$  型滤波  $\pi$  type input filter
- 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
- 高可靠性，长寿命设计 Design for high reliability,long lifetime
- 引出脚功能兼容 Pin function compatible
- 主副路电压精度高 Main & Aux output voltages with high accuracy

## 输入特性

### Input Characteristics

电压范围: (Voltage Range)	<b>DC-DC</b> 5V <sub>DC</sub> (Normal)	4.5-9V <sub>DC</sub>
	12V <sub>DC</sub> (Normal)	9-18V <sub>DC</sub>
	18V <sub>DC</sub> (Normal)	9-36V <sub>DC</sub>
	24V <sub>DC</sub> (Normal)	18-36V <sub>DC</sub>
	48V <sub>DC</sub> (Normal)	36-72V <sub>DC</sub>

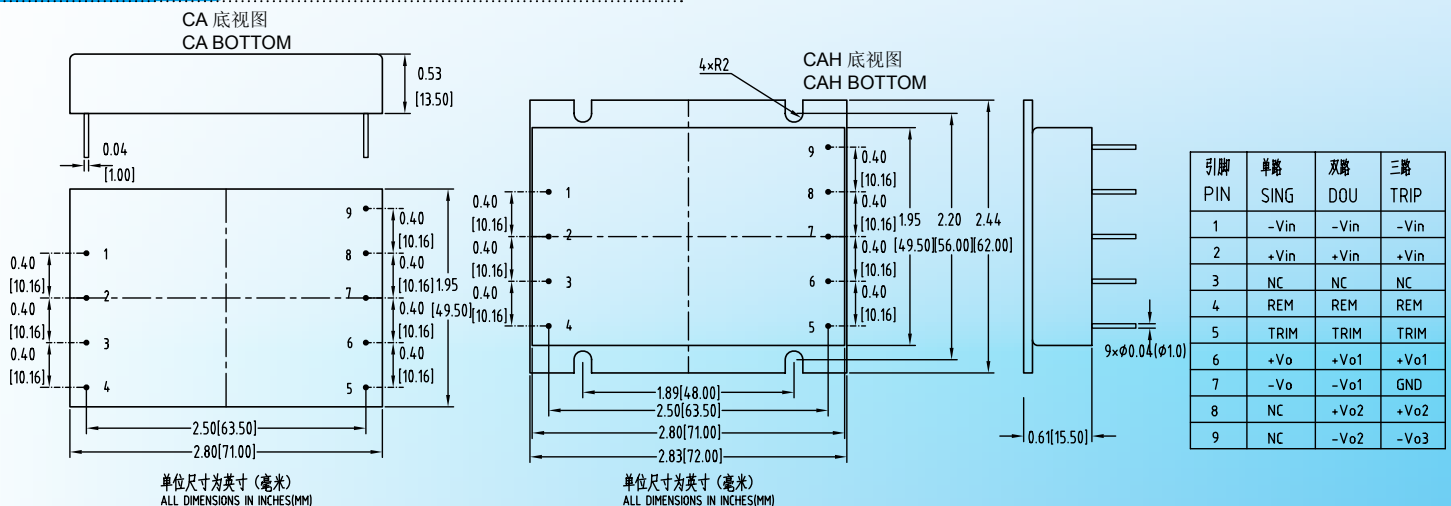
## 输出特性

### 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 $\mu\text{s}$

## 尺寸图

### Dimensioned Drawing



## 物理特性

结构尺寸: 71\*49.5\*13.5mm(CA)  
72\*62\*15.5mm(CAH)  
重量: CA:0.13Kg CAH:0.1Kg

## 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 $\Omega$
MTBF:	>500000 hrs

## 绝缘强度 (Insulation Voltage)

输入 - 输出: (Input-Output)	> 1500 V <sub>DC</sub>
输入 - 外壳: (Input-Case)	> 1050 V <sub>DC</sub>
输出 - 外壳: (Output-Case)	> 500 V <sub>DC</sub>

## 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 (CA) 热阻 (CAH) (Thermal Resistance)	
自然风冷: (Breeze of Nature)	7.75 $^\circ\text{C}/\text{W}$	5.82 $^\circ\text{C}/\text{W}$
0.5M/S	6.46 $^\circ\text{C}/\text{W}$	4.85 $^\circ\text{C}/\text{W}$
1M/S	4.81 $^\circ\text{C}/\text{W}$	3.61 $^\circ\text{C}/\text{W}$
1.5M/S	3.51 $^\circ\text{C}/\text{W}$	2.63 $^\circ\text{C}/\text{W}$
2M/S	2.90 $^\circ\text{C}/\text{W}$	2.18 $^\circ\text{C}/\text{W}$

# DC/DC CA,CAH 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
5	4.5-9	5	5	50	82%	CA (H) 25-05S05
5	4.5-9	12	2.08	120	82%	CA (H) 25-05S12
5	4.5-9	5	6	50	83%	CA (H) 30-05S05
5	4.5-9	12	2.5	120	82%	CA (H) 30-05S12
5	4.5-9	15	2	150	83%	CA (H) 30-05S15
5	4.5-9	12	3.33	120	82%	CA (H) 40-05S12
5	4.5-9	24	1.67	200	83%	CA (H) 40-05S24
12	9-18	5	5	50	82%	CA (H) 25-12S05
12	9-18	12	2.08	120	82%	CA (H) 25-12S12
12	9-18	24	1.04	200	83%	CA (H) 25-12S24
12	9-18	5	6	50	83%	CA (H) 30-12S05
12	9-18	12	2.5	120	82%	CA (H) 30-12S12
12	9-18	24	1.25	200	83%	CA (H) 30-12S24
12	9-18	15	2.67	150	83%	CA (H) 40-12S15
12	9-18	24	1.67	200	83%	CA (H) 40-12S24
18	9-36	5	5	50	82%	CA (H) 25-18S05
18	9-36	12	2.08	120	82%	CA (H) 25-18S12
18	9-36	24	1.04	200	83%	CA (H) 25-18S24
18	9-36	5	6	50	83%	CA (H) 30-18S05
18	9-36	12	2.5	120	82%	CA (H) 30-18S12
18	9-36	24	1.25	200	83%	CA (H) 30-18S24
18	9-36	15	2.67	150	83%	CA (H) 40-18S15
18	9-36	24	1.67	200	83%	CA (H) 40-18S24
24	18-36	5	5	50	82%	CA (H) 25-24S05
24	18-36	12	2.08	120	82%	CA (H) 25-24S12
24	18-36	24	1.04	200	83%	CA (H) 25-24S24
24	18-36	24	1.25	200	83%	CA (H) 30-24S24
24	18-36	5	8	50	82%	CA (H) 40-24S05
24	18-36	12	3.33	120	83%	CA (H) 40-24S12
24	18-36	24	1.67	200	83%	CA (H) 40-24S24
48	36-72	5	6	50	82%	CA (H) 30-48S05
48	36-72	12	2.5	120	83%	CA (H) 30-48S12
48	36-72	24	1.25	200	83%	CA (H) 30-48S24
48	36-72	5	8	50	82%	CA (H) 40-48S05
48	36-72	12	3.33	120	83%	CA (H) 40-48S12
48	36-72	24	1.67	200	83%	CA (H) 40-48S24
12	9-18	05&05	2.5&2.5	50&50	82%	CA (H) 25-12D05&05
12	9-18	05&12	1&1.67	50&120	83%	CA (H) 25-12D05&12
12	9-18	05&05	3&3	50&50	82%	CA (H) 30-12D05&05
12	9-18	05&12	2&1.67	50&120	83%	CA (H) 30-12D05&12
24	18-36	05&12	2&1.67	50&120	82%	CA (H) 30-24D05&12
24	18-36	05&24	1&1	50&200	83%	CA (H) 30-24D05&24
24	18-36	12&12	1.67&1.67	120&120	82%	CA (H) 40-24D12&12
24	18-36	12&24	1.25&1	120&200	83%	CA (H) 40-24D12&24
48	36-72	05&12	2&1.67	50&120	82%	CA (H) 30-48D05&12
48	36-72	05&24	1&1	50&200	83%	CA (H) 30-48D05&24
48	36-72	12&12	1.67&1.67	120&120	82%	CA (H) 40-48D12&12
48	36-72	12&24	1.25&1	120&200	83%	CA (H) 40-48D12&24
12	9-18	±05, +12	2/2/0.8	50/50/120	82%	CA (H) 30-12T05+12
24	18-36	±12, +05	0.7/0.7/5	120/120/50	82%	CA (H) 40-24T12+05
24	18-36	±15, +05	0.67/0.67/4	150/150/50	83%	CA (H) 40-24T15+05
48	36-72	±05, +15	2/2/0.7	50/50/150	82%	CA (H) 30-48T05+15
48	36-72	±15, +05	0.67/0.67/4	150/150/50	83%	CA (H) 40-48T15+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.