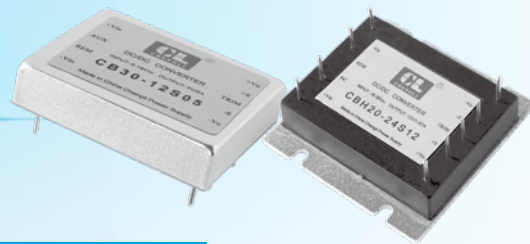


DC/DC CB,CBH 系列

15-30W

体积小, 可 9-36V (四倍电压输入)
引出脚功能兼容



特性

Features

- 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
- 引出脚功能兼容 Pin function compatible
- 输入与输出隔离 Completely isolated between input & output
- 高功率密度 High power density

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}

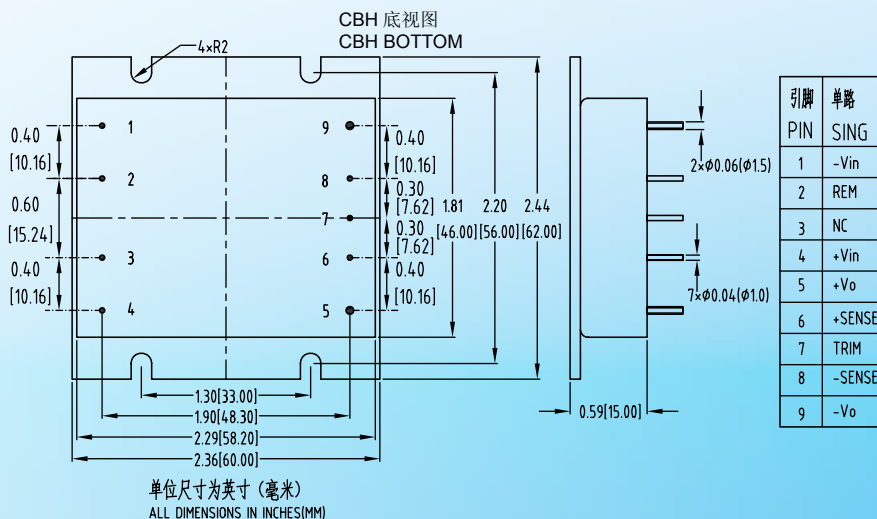
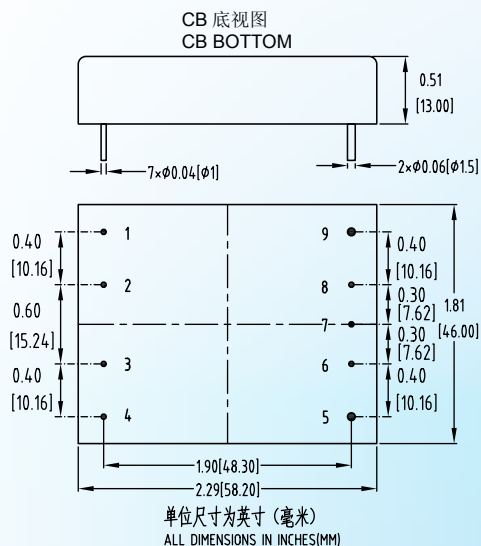
输出特性

Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	± 1%
输出电压调节范围: (Line Regulation)	± 10%
电压调整率: (Line Regulation)	± 0.2%
负载调整率: (Load Regulation)	± 0.5%
温度变化率: (Temperature Coefficient)	± 0.02% /°C
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: 58.2*46*15mm(CB)
60*62*17mm(CBH)
重量: CB/CBH:0.08Kg

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)MΩ
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°C
	军 I (Military I)	-40~+85°C
	军 II (Military II)	-55~+85°C
存储温度: (Storage Temperature)	工业品 (Industry)	-45~+105°C
	军品 (Military)	-55~+105°C

热阻特性

Thermal Characteristics

冷却方式: (Cooling)	热阻 (CB)	热阻 (CBH)
自然风冷: (Breeze of Nature)	6.80°C /W	5.58°C /W
0.5M/S	5.67°C /W	4.65°C /W
1M/S	4.23°C /W	3.10°C /W
1.5M/S	3.08°C /W	2.52°C /W
2M/S	2.55°C /W	2.09°C /W

DC/DC CB,CBH 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
12	9-18	5	3	50	82%	CB (H) 15-12S05
12	9-18	12	1.25	120	82%	CB (H) 15-12S12
12	9-18	15	1	150	82%	CB (H) 15-12S15
12	9-18	24	0.63	200	83%	CB (H) 15-12S24
12	9-18	36	0.42	300	83%	CB (H) 15-12S36
12	9-18	48	0.31	300	84%	CB (H) 15-12S48
12	9-18	5	4	50	82%	CB (H) 20-12S05
12	9-18	12	1.67	120	82%	CB (H) 20-12S12
12	9-18	24	0.83	200	83%	CB (H) 20-12S24
12	9-18	48	0.42	300	84%	CB (H) 20-12S48
12	9-18	5	5	50	82%	CB (H) 25-12S05
12	9-18	12	2.08	120	82%	CB (H) 25-12S12
12	9-18	24	1.04	200	83%	CB (H) 25-12S24
12	9-18	48	0.52	300	84%	CB (H) 25-12S48
12	9-18	5	6	50	82%	CB (H) 30-12S05
12	9-18	12	2.5	120	82%	CB (H) 30-12S12
12	9-18	24	1.25	200	83%	CB (H) 30-12S24
12	9-18	48	0.63	300	84%	CB (H) 30-12S48
24	18-36	5	3	50	82%	CB (H) 15-24S05
24	18-36	12	1.25	120	82%	CB (H) 15-24S12
24	18-36	24	0.63	200	83%	CB (H) 15-24S24
24	18-36	36	0.42	300	83%	CB (H) 15-24S36
24	18-36	48	0.31	300	84%	CB (H) 15-24S48
24	18-36	5	4	50	82%	CB (H) 20-24S05
24	18-36	12	1.67	120	82%	CB (H) 20-24S12
24	18-36	24	0.83	200	83%	CB (H) 20-24S24
24	18-36	48	0.42	300	84%	CB (H) 20-24S48
24	18-36	5	5	50	82%	CB (H) 25-24S05
24	18-36	12	2.08	120	82%	CB (H) 25-24S12
24	18-36	24	1.04	200	83%	CB (H) 25-24S24
24	18-36	48	0.52	300	84%	CB (H) 25-24S48
24	18-36	5	6	50	82%	CB (H) 30-24S05
24	18-36	12	2.5	120	82%	CB (H) 30-24S12
24	18-36	24	1.25	200	83%	CB (H) 30-24S24
24	18-36	48	0.63	300	84%	CB (H) 30-24S48
48	36-72	5	3	50	82%	CB (H) 15-48S05
48	36-72	12	1.25	120	82%	CB (H) 15-48S12
48	36-72	24	0.63	200	83%	CB (H) 15-48S24
48	36-72	36	0.42	300	83%	CB (H) 15-48S36
48	36-72	48	0.31	300	84%	CB (H) 15-48S48
48	36-72	5	4	50	82%	CB (H) 20-48S05
48	36-72	12	1.67	120	82%	CB (H) 20-48S12
48	36-72	24	0.83	200	83%	CB (H) 20-48S24
48	36-72	48	0.42	300	84%	CB (H) 20-48S48
48	36-72	5	5	50	82%	CB (H) 25-48S05
48	36-72	12	2.08	120	82%	CB (H) 25-48S12
48	36-72	24	1.04	200	83%	CB (H) 25-48S24
48	36-72	36	0.69	300	84%	CB (H) 25-48S36
48	36-72	48	0.52	300	84%	CB (H) 25-48S48
48	36-72	5	6	50	82%	CB (H) 30-48S05
48	36-72	12	2.5	120	82%	CB (H) 30-48S12
48	36-72	24	1.25	200	83%	CB (H) 30-48S24
48	36-72	48	0.63	300	84%	CB (H) 30-48S48

■ 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.