

DC/DC CD,MZD 系列

5-12W

体积小,引出脚功能兼容,
高可靠性设计



特性

Features

- 输入C型滤波 C type input filter
- 快速动态响应 Fast dynamic response
- 高转换效率 High conversion efficiency
- 自然冷却,无须附加散热器 Natural cooling, no heat sink needed
- 引出脚功能兼容 Pin function compatible

输入特性

Input Characteristics

电压范围: (Voltage Range)	DC-DC 5V _{DC} (Normal)	4.5-9V _{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}

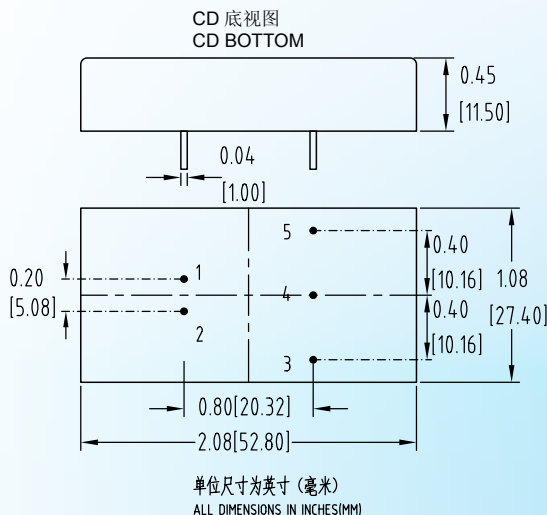
输出特性

Output Characteristics

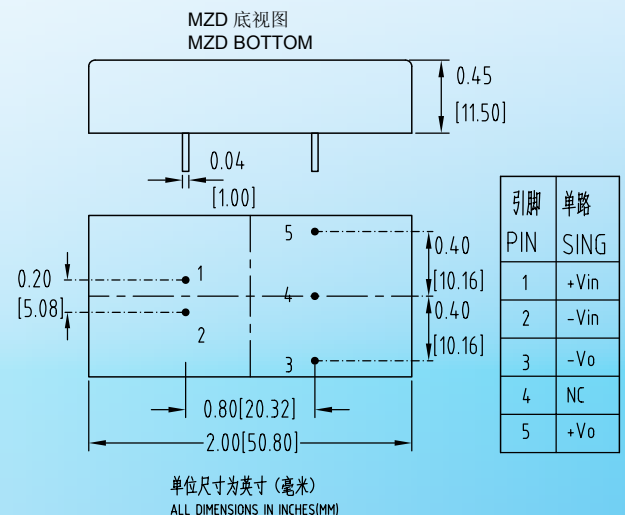
稳压精度: (Regulated Voltage Accuracy)	± 1%
电压调整率: (Line Regulation)	± 0.2%
负载调整率: (Load Regulation)	± 0.5%
温度变化率: (Temperature Coefficient)	± 0.02% /°C
交叉调节率 (Cross Regulation) (主路 30%-100% 负载, 辅路 80% 负载) (Main load 30%-100%, Aux load 80%)	±3%
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

尺寸图

Dimensioned Drawing



引脚 PIN	单路 SING	双路 DOU
1	+Vin	+Vin
2	-Vin	-Vin
3	-Vo	-Vo
4	NC	GND
5	+Vo	+Vo



引脚 PIN	单路 SING
1	+Vin
2	-Vin
3	-Vo
4	NC
5	+Vo

物理特性

结构尺寸: 52.8*27.4*11.5mm(CD)
50.8*25.4*10.2mm(MZD)
重量: CD:0.05Kg MZD:0.02Kg

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 (Thermal Resistance)
自然风冷: (Breeze of Nature)	12.45°C /W
0.5M/S	10.37°C /W
1M/S	7.73°C /W
1.5M/S	5.63°C /W
2M/S	4.66°C /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
5	4.5-9	5	1	50	82%	CD05-05S05
5	4.5-9	8	0.63	80	82%	CD05-05S08
5	4.5-9	5	1.6	50	82%	CD08-05S05
5	4.5-9	8	1	80	82%	CD08-05S08
5	4.5-9	5	2	50	82%	CD10-05S05
5	4.5-9	12	0.83	120	82%	CD10-05S12
12	9-18	5	1.6	50	82%	CD08-12S05
12	9-18	12	0.67	120	82%	CD08-12S12
12	9-18	15	0.53	150	83%	CD08-12S15
12	9-18	5	2	50	82%	CD10-12S05
12	9-18	12	0.83	120	82%	CD10-12S12
12	9-18	15	0.67	150	83%	CD10-12S15
12	9-18	5	2.4	50	82%	CD12-12S05
12	9-18	12	1	120	82%	CD12-12S12
12	9-18	15	0.8	150	83%	CD12-12S15
12	9-18	24	0.5	200	83%	CD12-12S24
24	18-36	5	1	50	82%	CD05-24S05
24	18-36	8	0.63	80	82%	CD05-24S08
24	18-36	5	1.6	50	82%	CD08-24S05
24	18-36	8	1	80	82%	CD08-24S08
24	18-36	5	2	50	82%	CD10-24S05
24	18-36	5	2.4	50	82%	CD12-24S05
110	66-160	5	1	50	83%	CD05-110S05
110	66-160	12	0.42	120	82%	CD05-110S12
110	66-160	15	0.33	150	83%	CD05-110S15
110	66-160	12	0.83	120	82%	CD10-110S12
24	18-36	12	0.83	120	82%	MZD10-24S12
24	18-36	15	0.67	150	83%	MZD10-24S15
24	18-36	12	1	120	82%	MZD12-24S12
24	18-36	15	0.8	150	83%	MZD12-24S15
48	36-72	12	0.83	120	82%	MZD10-48S12
48	36-72	15	0.67	150	83%	MZD10-48S15
48	36-72	12	1	120	82%	MZD12-48S12
48	36-72	15	0.8	150	83%	MZD12-48S15
5	4.5-9	±05	0.5/0.5	50/50	82%	CD05-05D05
5	4.5-9	±12	0.21/0.21	120/120	82%	CD05-05D12
5	4.5-9	±05	0.8/0.8	50/50	82%	CD08-05D05
5	4.5-9	±12	0.33/0.33	120/120	82%	CD08-05D12
5	4.5-9	±05	1/1	50/50	82%	CD10-05D05
5	4.5-9	±12	0.42/0.42	120/120	82%	CD10-05D12
12	9-18	±05	0.5/0.5	50/50	82%	CD05-12D05
12	9-18	±12	0.21/0.21	120/120	83%	CD05-12D12
12	9-18	±05	1/1	50/50	82%	CD10-12D05
12	9-18	±12	0.42/0.42	120/120	82%	CD10-12D12
12	9-18	±15	0.33/0.33	150/150	83%	CD10-12D15
24	18-36	±12	0.42/0.42	120/120	82%	CD10-24D12
24	18-36	±15	0.33/0.33	150/150	83%	CD10-24D15
24	18-36	±12	0.5/0.5	120/120	82%	CD12-24D12
24	18-36	±15	0.4/0.4	150/150	83%	CD12-24D15
48	36-72	±12	0.42/0.42	120/120	82%	CD10-48D12
48	36-72	±15	0.33/0.33	150/150	83%	CD10-48D15
48	36-72	±12	0.5/0.5	120/120	82%	CD12-48D12
48	36-72	±15	0.4/0.4	150/150	83%	CD12-48D15

■ 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.