

# DC/DC CMZ 系列

工业标准 1/4 砖，高可靠性，高效率

50-100W



## 物理特性

结构尺寸: 57.9\*36.8\*12.7mm  
重量: 0.07Kg

## 特性

### Features

- 工业标准 1/4 砖 Industry standard 1/4 brick
- 高可靠性，高效率 Design for high reliability, high efficiency
- 快速动态响应 Fast dynamic response
- 高功率密度 High power density

## 输入特性

### Input Characteristics

电压范围: **DC-DC** 24Vdc(Normal) 18-36Vdc  
(Voltage Range) 48Vdc(Normal) 36-72Vdc

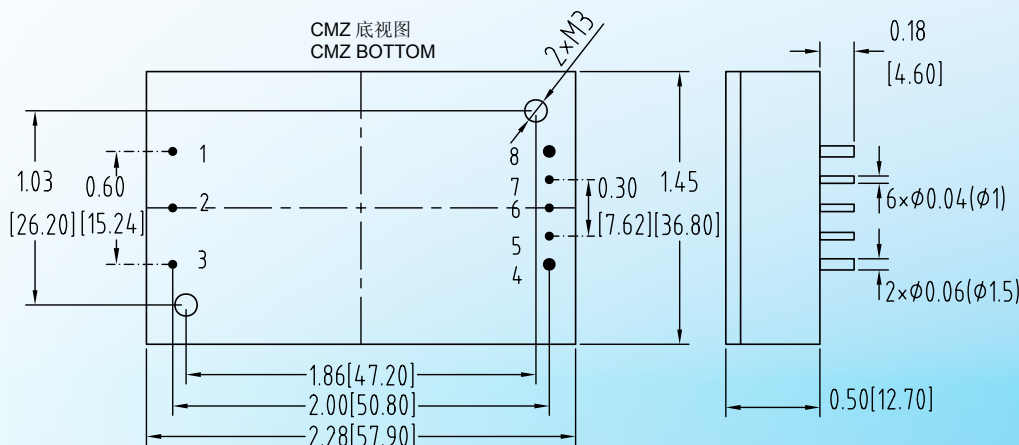
## 输出特性

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

## 尺寸图

### Dimensioned Drawing



单位尺寸为英寸 (毫米)  
ALL DIMENSIONS IN INCHES(MM)

## 一般特性

### General Characteristics

工作频率 (典型值): (Switching Frequency) 250 KHz  
隔离电阻: (Isolation Resistance) 200 (Typ)M $\Omega$   
MTBF: >1000000 hrs

### 绝缘强度 (Insulation Voltage)

输入 - 输出: (Input-Output) > 500 Vdc  
输入 - 外壳: (Input-Case) > 500 Vdc  
输出 - 外壳: (Output-Case) > 500 Vdc

### 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 (Thermal Resistance)	热阻 (加散热器) (Thermal Resistance)
自然风冷: (Breeze of Nature)	9.82 $^\circ\text{C}/\text{W}$	6.87 $^\circ\text{C}/\text{W}$
0.5M/S	8.17 $^\circ\text{C}/\text{W}$	5.16 $^\circ\text{C}/\text{W}$
1M/S	6.14 $^\circ\text{C}/\text{W}$	3.75 $^\circ\text{C}/\text{W}$
1.5M/S	4.46 $^\circ\text{C}/\text{W}$	3.10 $^\circ\text{C}/\text{W}$
2M/S	3.69 $^\circ\text{C}/\text{W}$	2.54 $^\circ\text{C}/\text{W}$

引脚 PIN	单路 SING
1	-Vin
2	REM
3	+Vin
4	+Vo
5	+SENSE
6	TRIM
7	-SENSE
8	-Vo

# DC/DC CMZ 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	24	18-36	5	10	50	88%	CMZ50-24S05
	24	18-36	12	4.17	120	87%	CMZ50-24S12
	24	18-36	5	15	50	88%	CMZ75-24S05
	24	18-36	12	6.25	120	87%	CMZ75-24S12
	24	18-36	15	5	150	87%	CMZ75-24S15
	24	18-36	12	8.33	120	86%	CMZ100-24S12
	24	18-36	15	6.67	150	86%	CMZ100-24S15
	24	18-36	24	4.17	200	85%	CMZ100-24S24
路	48	36-72	5	10	50	88%	CMZ50-48S05
	48	36-72	12	4.17	120	87%	CMZ50-48S12
	48	36-72	5	15	50	88%	CMZ75-48S05
	48	36-72	12	6.25	120	86%	CMZ75-48S12
	48	36-72	15	5	150	86%	CMZ75-48S15
	48	36-72	12	8.33	120	85%	CMZ100-48S12
	48	36-72	15	6.67	150	86%	CMZ100-48S15
	48	36-72	24	4.17	200	85%	CMZ100-48S24

■ 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.