

3-5W  
DC/DC

# CS/MZE Series

## Features

- Pin function compatible
- Completely isolate between input & output
- Natural cooling, no heat sink needed
- Fast dynamic response
- Small form factor, single output
- Design for high reliability, long lifetime



## Input Characteristic

Voltage Range	12 VDC	9-18 VDC
	24 VDC	18-36 VDC
	48 VDC	36-72 VDC
Reverse Protection	Connect Fuse Outside	

## Output Characteristic

Voltage Set-point Accuracy	$\pm 1\%$
Line Regulation	$\pm 0.3\%$
Load Regulation	$\pm 0.1\%$
Temperature Coefficient	$\pm 0.01\%/^{\circ}\text{C}$
Output Current Limiting	120%(Typ)
Dynamic Response	400 $\mu\text{s}$

## General Characteristic

Switching Frequency	300	KHz
Isolation Resistance	200	M $\Omega$
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

## Environmental Characteristics

Case Temperature	-25 - +60 $^{\circ}\text{C}$
Storage Temperature	-45 - +105 $^{\circ}\text{C}$

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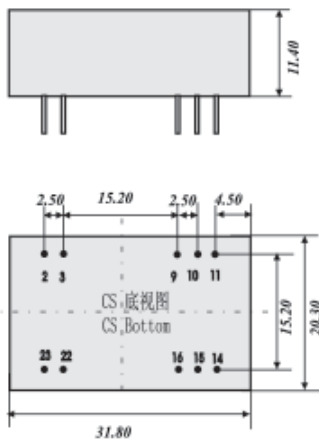
## Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
12	9-18	05	0.6	50	70%	CS03-12S05
24	18-36	05	0.6	50	70%	MZE03-24S05
48	36-72	05	0.6	50	70%	MZE03-48S05
12	9-18	05	1	50	70%	CS05-12S05
12	9-18	12	0.4	120	75%	CS05-12S12
24	18-36	05	1	50	70%	MZE05-24S05
24	18-36	12	0.5	120	75%	CS06-24S12
48	36-72	05	1	50	70%	MZE05-48S05
48	36-72	12	0.4	120	75%	CS05-48S12

Only typical models listed. If you need other model, please contact us for costum models

## Mechanical drawing and pin definition

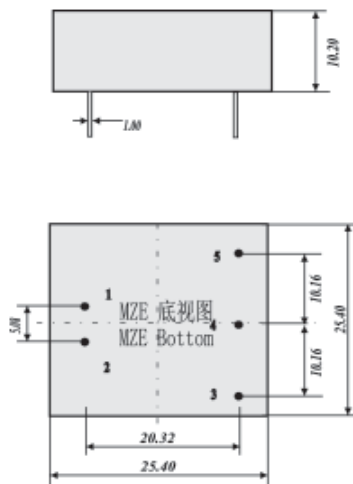
CS series



单位 (Unit) :mm

引脚 (PIN)	单路 (Sing)
2	-Vin
3	-Vin
22	+Vin
23	+Vin
9	NC
10	NC
11	NC
14	+Vo
15	NC
16	GND

MZE series



单位 (Unit) :mm

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