

150-300W

DC/DC

CHZ Series

Features

Industry standard brick
Synchronous rectification
1500VDC isolation strength
Fast dynamic response
High efficiency, low noise
High power density



Input Characteristic

Voltage Range	24 VDC	18-36 VDC
	48 VDC	36-72 VDC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	$\pm 1\%$
Output Voltage Range	$\pm 10\%$
Line Regulation	$\pm 0.2\%$
Load Regulation	$\pm 0.4\%$
Temperature Coefficient	$\pm 0.01\%/^{\circ}\text{C}$
Output Current Limiting	120%(Typ)
Dynamic Response	400 μs
Output Current	10-60A
Output Voltage	1.8-48V
Power	150-300W

General Characteristic

Switching Frequency	250	KHz
Isolation Resistance	200	M Ω
MTBF	>1000000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

Environmental Characteristics

Case Temperature	(Industry) -25 - +85 $^{\circ}\text{C}$ (Military I) -40 - +85 $^{\circ}\text{C}$ (Military II) -55 - +85 $^{\circ}\text{C}$
Storage Temperature	(Industry) -45 - +105 $^{\circ}\text{C}$ (Military) -55 - +105 $^{\circ}\text{C}$

Heat Characteristic

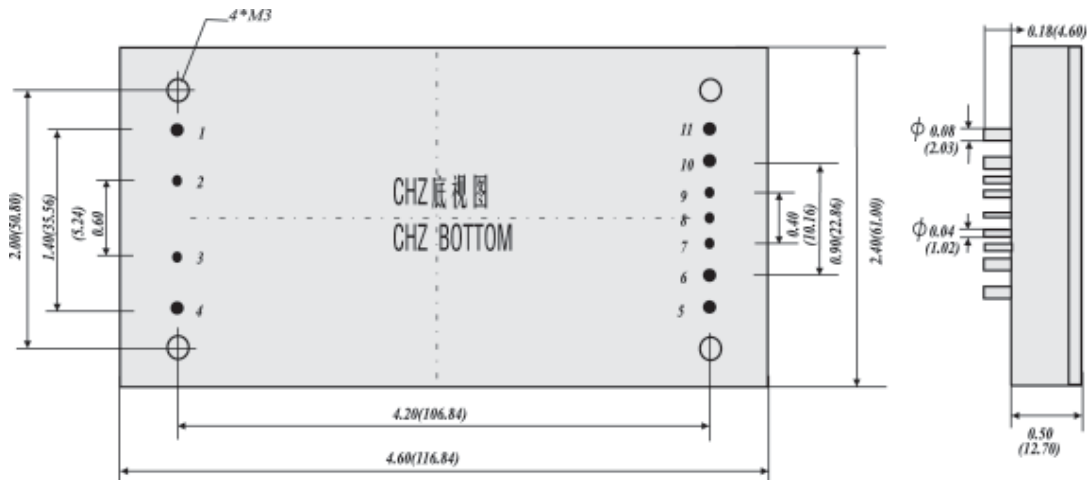
Cooling	Thermal Resistance	With Heat Sink
Breeze of Nature	2.76 $^{\circ}\text{C}/\text{W}$	1.77 $^{\circ}\text{C}/\text{W}$
0.5M/S	2.30 $^{\circ}\text{C}/\text{W}$	1.32 $^{\circ}\text{C}/\text{W}$
1M/S	1.72 $^{\circ}\text{C}/\text{W}$	0.96 $^{\circ}\text{C}/\text{W}$
1.5M/S	1.25 $^{\circ}\text{C}/\text{W}$	0.79 $^{\circ}\text{C}/\text{W}$
2M/S	1.04 $^{\circ}\text{C}/\text{W}$	2.12 $^{\circ}\text{C}/\text{W}$

Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
24	18-36	05	30	50	88%	CHZ150-24S05
24	18-36	12	12.5	120	86%	CHZ150-24S12
24	18-36	15	10	150	89%	CHZ150-24S15
48	36-72	05	60	50	88%	CHZ300-48S05
48	36-72	12	25	120	86%	CHZ300-48S12
48	36-72	15	20	50	89%	CHZ300-48S15

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

Mechanical drawing and pin definition



单位 (Unit) :Inch(mm)

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