

## Isolated DC-DC Converter

Typical Efficiency 92%

SC Protection (Auto Recover)

Low Ripple, Metal Case Shield, Waterproof

Broadband Noise Filter at Input



### Input Characteristic

Default Input Voltage Range (2:1)

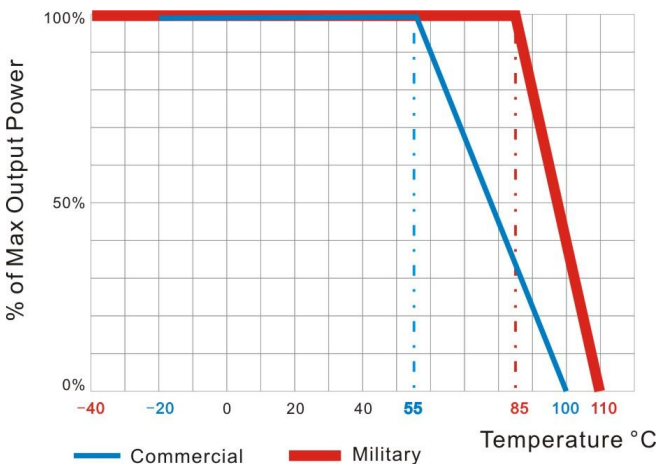
5V	4.5~9VDC
12V	9~18VDC
24V	18~36VDC
48V	36~72VDC
110V	80~170VDC
300V	200~400VDC

Input Reverse Protection: No

Input Under Voltage Protection: Yes

Output Current: 40~85A

### Temperature performance:



### Output Characteristic

Typical Efficiency:	92%
Ripple p-p:	1% of output voltage (MAX 400mV)
Load Regulation:	0.4%
Line Regulation :	0.2%
Dynamic response:	±4.0/500us%
Short-circuit Protection:	yes
Start Time Delay:	≤200mS
Temperature co-efficiency	±0.01%/°C

### Other info

Switching frequency: 180KHz ± 20 KHz

Operating temperature:

Industrial	-25°C ~ +55°C
Military	-40°C ~ +85°C

Max Allowed Case Temperature:

Industrial	100°C
Military	110°C

Storage Temperature:

Industrial	-40°C ~ +105°C
Military	-55°C ~ +120°C

Storage Humidity: 20~90%

Isolation Voltage:

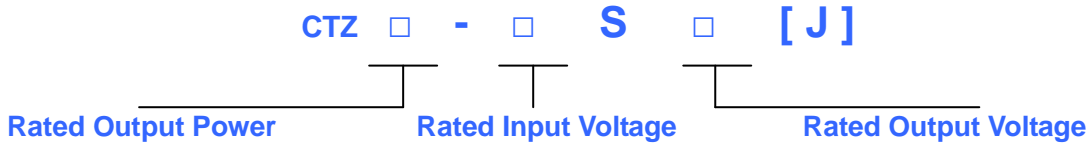
Input - Output	1500 VDC ≤ 0.5mA/1min *
Input - Case	1000Vdc ≤ 0.5mA/1min

MTBF: 200000Hrs

Case Material: Metal

Remote ON/OFF: Implement if needed

## Ordering Information:

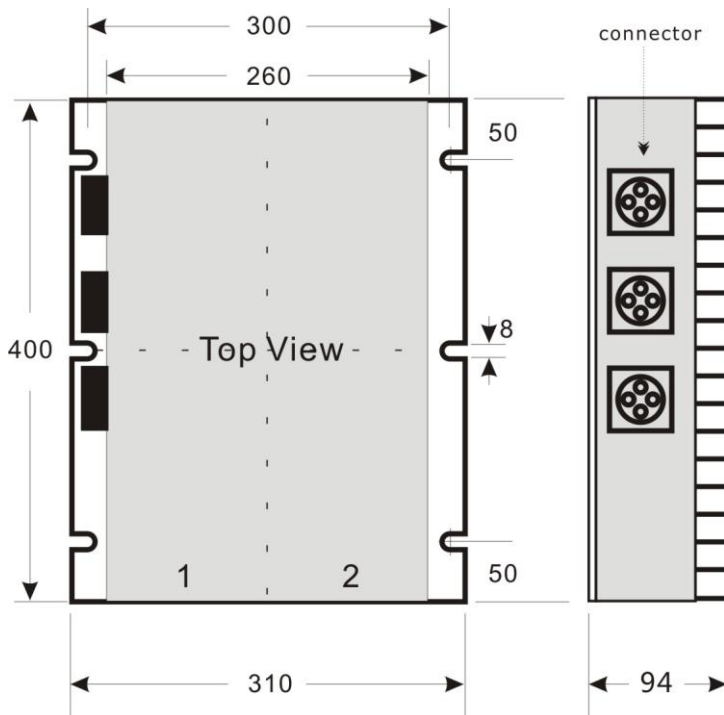


**Note:** S – Single Output      J – Military

## Example:

Input	Output	Max Output Current / Power	Model
48V (36~72VDC)	300V	5A (1500W)	CTZ1500-48S300
24V (18~36VDC)	110V	18.2A (2000W)	CTZ2000-24S110
110V (80~170VDC)	24V	50A (1500W)	CTZ1500-110S24
300V (200~400VDC)	48V	41.7A (2000W)	CTZ2000-300S48
400V (300~500VDC)	24V	83.3A (2000W)	CTZ2000-400S48

## Dimensions:



### Connector - 1

Pin	Single
1	Vin +
2	Vin +
3	Vin -
4	Vin -

### Connector - 2

Pin	Single
1	Vout +
2	Vout +
3	Vout +
4	Vout +

### Connector - 3

Pin	Single
1	Vout -
2	Vout -
3	Vout -
4	Vout -

Connector definitions vary according to different INPUT and OUTPUT

Unit: mm