

75-150W

DC/DC

CSZ Series

Features

- Wide range of input voltage
- Broadband noise filter of input
- Comply with UL1950, IEC950 safety regulation
- Attractive outline design
- Easy installation
- Integer thermal design



Input Characteristic

Voltage Range	12 VDC	9-18 VDC
	18 VDC	9-36 VDC
	24 VDC	18-36 VDC
	48 VDC	36-72 VDC
	110 VDC	80-180 VDC
	300 VDC	200-400 VDC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	± 1%
Line Regulation	± 0.2%
Load Regulation	± 0.4%
Temperature Coefficient	± 0.01%/°C
Output Current Limiting	120%(Typ)
Dynamic Response	400μs
Output Current	3-15A
Output Voltage	5-48V
Power	75-150W

General Characteristic

Switching Frequency	160-200	KHz
Isolation Resistance	200	M Ω
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

Environmental Characteristics

Case Temperature	(Industry) -25 - +85 °C
	(Military I) -40 - +85 °C
	(Military II) -55 - +85 °C
Storage Temperature	(Industry) -45 - +105 °C
	(Military) -55 - +105 °C

Heat Characteristic

Cooling	Thermal Resistance
Breeze of Nature	1.80°C/W
0.5M/S	1.51°C/W
1M/S	1.11°C/W
1.5M/S	0.82°C/W
2M/S	0.67°C/W

Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
12	9-18	5	15	50	87%	CSZ75-12S05
18	9-36	12	6.25	120	86%	CSZ75-18S12
18	9-36	15	6.67	150	85%	CSZ100-18S15
24	18-36	12	6.25	120	86%	CSZ75-24S12
48	36-72	12	8.33	120	85%	CSZ100-48S12
48	36-72	24	4.17	200	85%	CSZ100-48S24
110	80-180	12	8.33	120	86%	CSZ100-110S12
110	80-180	24	6.25	200	85%	CSZ150-110S24
300	200-400	48	3.13	400	85%	CSZ150-300S48

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

Mechanical drawing and pin definition

