

75-150W

DC/DC

CAZ Series

Features

- Π type input filter
- High power density
- 2X, 4X voltage input
- Design for high reliability, long lifetime
- Easy installation, dual side pin out
- Attractive outline design



Input Characteristic

Voltage Range	12 VDC	9-18 VDC
	24 VDC	18-36 VDC
	48 VDC	36-72 VDC
	18 VDC	9-36 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	1.8-48V
Power	75-150W

General Characteristic

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

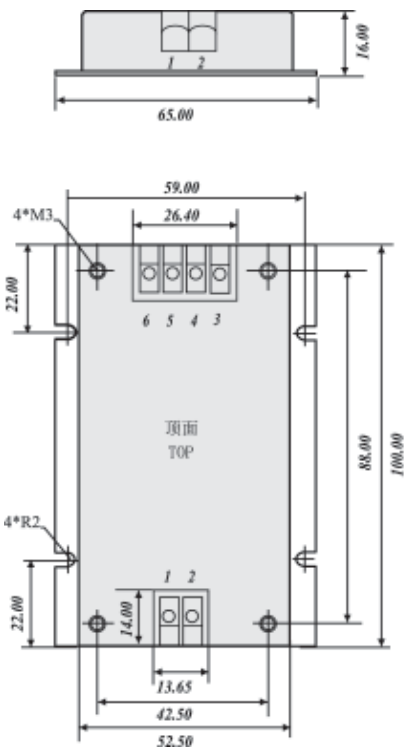
Heat Characteristic

Cooling Breeze of Nature	Thermal Resistance	
	4.38°C/W	
	0.5M/S	3.65°C/W
	1M/S	2.72°C/W
	1.5M/S	1.98°C/W
	2M/S	1.64°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	12	6.25	120	83%	CAZ75-12S12	
12	9-18	15	5	150	83%	CAZ75-12S15	
24	9-18	28	4.46	280	84%	CAZ125-12S28	
24	18-36	24	4.16	200	88%	CAZ100-24S24	
24	18-36	48	3.13	400	89%	CAZ150-24S48	
48	18-36	12	6.25	120	85%	CAZ75-24S12	
48	36-72	12	10.4	120	88%	CAZ125-48S12	
18	36-72	24	5.2	200	89%	CAZ125-48S24	
18	9-36	24	5	200	85%	CAZ120-18S24	
18	9-36	28	4.29	280	85%	CAZ120-18S28	

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

Mechanical drawing and pin definition



单位 (Unit) :mm

引脚 PIN	单路 SING
1	+Vin
2	-Vin
3	-Vo
4	-Vo
5	+Vo
6	+Vo

Efficiency curve

