

50-150W

CIA Series

AC/DC

Features

- Wide range of input voltage
- Broadband noise filter of input
- Surge suppress circuit of input
- Comply with UL1950, IEC950 safety regulation
- Attractive outline design
- Terminals connection method
- Easy installation
- Fast dynamic response



Input Characteristic

Voltage Range 220 VAC 176-264 VAC

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
Cross Regulation	± 3%
Output Current	3-20A
Output Voltage	1.8-48V
Power	50-150W

General Characteristic

Switching Frequency	160-200	KHz
Isolation Resistance	200	M Ω
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500 VAC/1min(Leak <5mA)
Input-Case	>1500 VAC/1min(Leak <5mA)
Output-Case	>500	VDC/1min

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

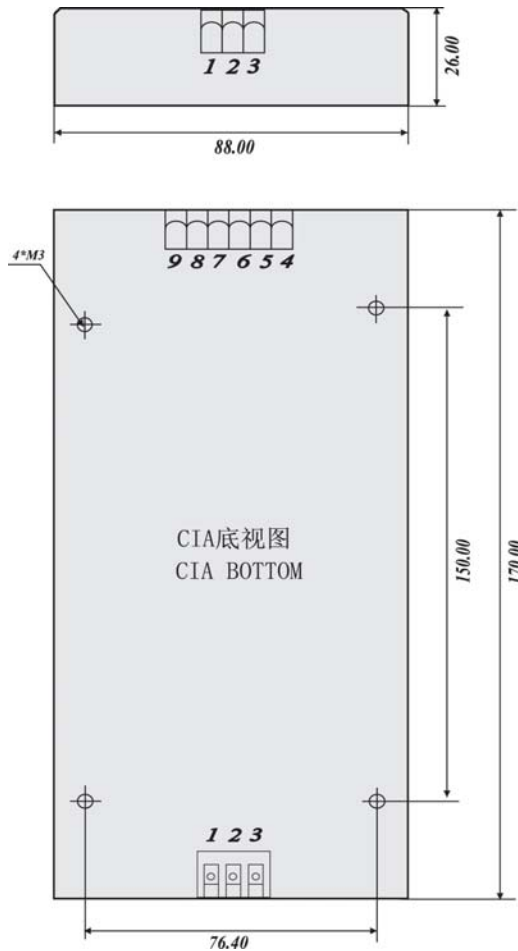
Cooling	Thermal Resistance
Breeze of Nature	1.90°C/W
0.5M/S	1.59°C/W
1M/S	1.18°C/W
1.5M/S	0.86°C/W
2M/S	0.71°C/W

Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
220	176-264	5	20	50	81%	CIA100W220S05
220	176-264	12	10.4	120	83%	CIA125W220S12
220	176-264	24	6.25	200	84%	CIA150W220S24
220	176-264	5&12	4&2.5	50&120	82%	CIA50W220D05&12
220	176-264	5&15	5&3.3	50&150	84%	CIA75W220D05&15
220	176-264	12&24	6&3.25	120&200	86%	CIA150W220D12&24
220	176-264	± 12,+05	1.5/1.42/3	120&50	81%	CIA50W220T12+05
220	176-264	± 15,+12	± 1.73/4	150&120	84%	CIA100W220T15+12
220	176-264	± 12,+15	± 4/3.6	120&150	85%	CIA150W220T12+15

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	<i>Acin</i>
2	<i>Acin</i>
3	<i>Gr.</i>
4	<i>+Vo2</i>
5	<i>-Vo2</i>
6	<i>+Vo1</i>
7	<i>+Vo1</i>
8	<i>-Vo1</i>
9	<i>-Vo1</i>