

150-300W

MAA 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
Output Current	2-15A
Output Voltage	12-48V
Power	150-300W

General Characteristic

Switching Frequency	120	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

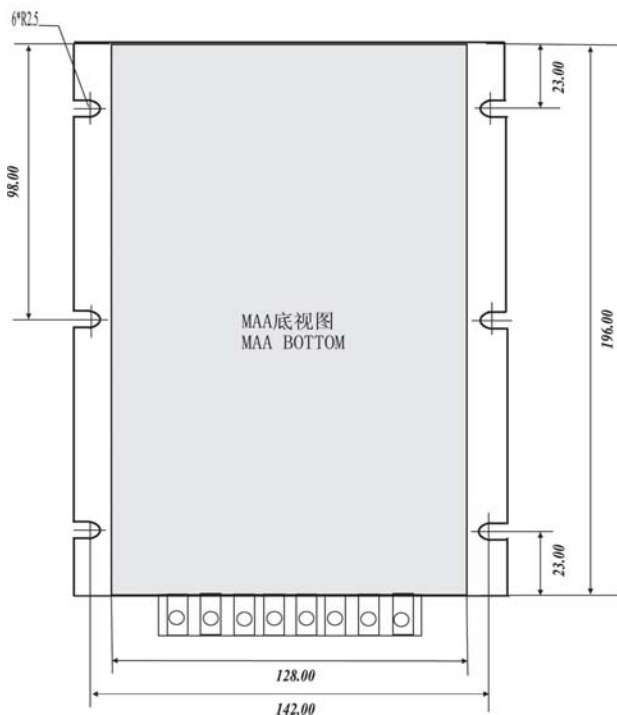
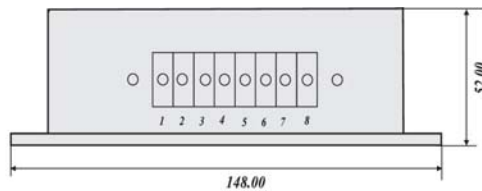
Heat Characteristic

Cooling	Thermal Resistance
Breeze of Nature	1.8°C/W
0.5M/S	1.5°C/W
1M/S	1.1°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	
220	176-264	05	15	50	84%	MAA75W220S05	
220	176-264	12	6.25	120	85%	MAA75W220S12	
220	176-264	15	6.67	150	86%	MAA100W220S15	
220	176-264	24	4.17	200	86%	MAA100W220S24	
220	176-264	24	6.25	200	86%	MAA150W220S24	
220	176-264	28	5.36	280	87%	MAA150W220S28	
220	176-264	48	2.08	400	87%	MAA100W220S48	
220	176-264	48	3.13	400	87%	MAA150W220S48	

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	+Vo
2	+Vo
3	-Vo
4	-Vo
5	NC
6	NC
7	AC
8	AC