MAA 30-100W

MAA 30-100W Series AC DC Isolated Converters Modules



特性 Features

- 输入宽频噪声滤波 Broadband noise filter of input
- 输入浪涌电流抑制电路 Surge suppress circuit of input
- 参照UL1950、IEC950安全规程 Refer to UL1950, IEC950 safety regulation
- 外型设计美观 Attractive outline design
- 接线端子出线方式 Terminal connection method

条件：除特殊指定外，所有参数测试条件为：室温25°C,标称输入电压，纯阻性标称负载
Condition: All specifications are tested under the room temperature 25°C, Normal input voltage and pure resistive normal load.

输入特性 Input Characteristic

额定值 (Rated)	电压范围 (Voltage Range)	额定值 (Rated)	电压范围 (Voltage Range)
220 VAC (额定值 Rated)	176-264 VAC	220 VAC (额定值 Rated)	90-264 VAC 可选(For option)

输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	± 2%
电压调整率(主路) (Line Regulation<main>)	± 0.5%
负载调整率(主路) (Load Regulation<main>)	± 0.5%
电流限制点 (Output Current Limiting)	120%(Typ)

输出电流 (Output Current)	2-15A 任选 (For option)
输出电压 (Output Voltage)	5-48V 任选 (For option)
功率 (Power)	30-100W

一般特性 General Characteristic

工作频率 (Switching Frequency)	100-200KHz		环境特性 (Environmental Characteristics)	工作壳温 (Case Temperature)	(工业品) Industry -25 – +85°C (军I) Military I -40 – +85°C (军II) Military II -55 – +85°C
绝缘电阻 (Isolation Resistance)	200MΩ				
绝缘强度 (Isolation Voltage)	输入-输出 (Input-Output)	>1500VAC/1min(漏电流<5mA)		存储温度 (Storage Temperature)	(工业品) Industry -45 – +105°C (军I) Military I -55 – +105°C
	输入-外壳 (Input-Case)	>1500VAC/1min(漏电流<5mA)			
	输出-外壳 (Output-Case)	>500 VDC/1min			
	主路-副路 (Main-Vice)	>500 VDC/1min			

保护特性 General Characteristic

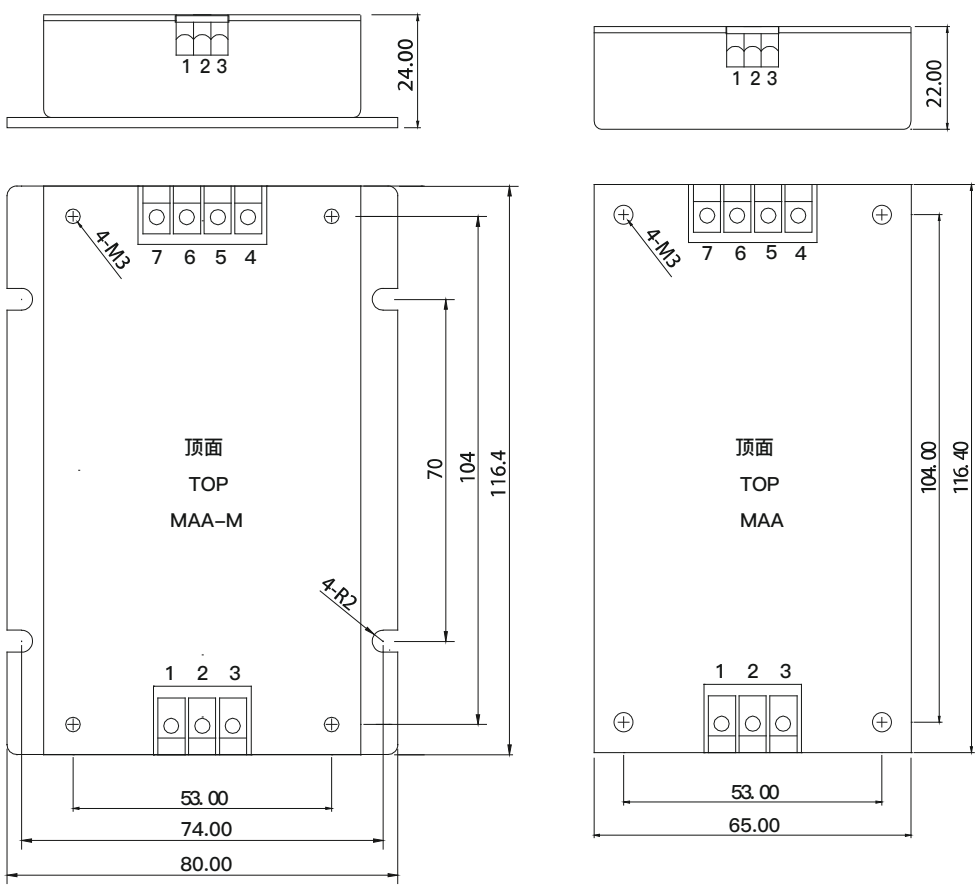
- ★ 输入欠压保护(Input under voltage protection)
- ★ 输入过压保护(Input over voltage protection)
- ★ 输出短路保护(Output short circuit protection)
- ★ 过温保护(Over temperature protection)
- ★ 输出过流保护(Output over current protection)

	输入电压(Vac) Input voltage	输入电压范围（Vac） Input voltage Range	输出电压（Vdc） Output voltage	输出电流（A） Output current(A)	纹波PK-PK（mv） Ripple and noise	效率(Typ) Efficiency(Typ)	型号 Models
单路 Single Channels Output	220	176-264	05	15	80	83%	MAA75-220S05
		176-264	12	8.3	120	84%	MAA100-220S12
		176-264	24	4.16	200	85%	MAA100-220S24
		176-264	48	2	300	85%	MAA100-220S48
		90-264	05	15	80	83%	MAA75-220S05-K
		90-264	12	8.3	120	84%	MAA100-220S12-K
		90-264	24	4.16	200	85%	MAA100-220S24-K
		90-264	48	2	300	85%	MAA100-220S48-K
双路 Dual Channels Output	220	176-264	05&12	3/1.25	50&120	83%	MAA30-220D05&12
		90-264	05&12	3/1.25	50&120	83%	MAA30-220D05&12-K

■说明1：输出纹波噪声（峰值-峰值）采用的是87-88页附录四模块电源测试说明
Output ripple noise (Peak-Peak) is adopted the module power supply test instruction on the page 89 -90.

■说明2：仅列出典型型号，其它型号，请确定功率、输入电压及输出电压，致电我公司 400-019-3997
Only typical models listed. If you need other model, please conform the power, input voltage and output voltage, then phone us +86 400-019-3997

外形尺寸以及引脚定义 Mechanical drawing and pin definition



单位 (Unit):mm

引脚 PIN	单路 SING	双路 DOU
1	Gr.	Gr.
2	AC(L)	AC(L)
3	AC(N)	AC(N)
4	+Vo	+Vo1
5	+Vo	–Vo1
6	–Vo	+Vo2
7	–Vo	–Vo2

注：马蹄板安装型号尾缀加M