MDA 30-100W

MDA30-100W Series DC DC Isolated Converters Modules



特性 Features

- 输入π型滤波 π type input filter
- 高功率密度 High power density
- 2倍、4倍电压输入 2times 4times input voltage
- 高可靠性、长寿命设计 Design for high reliability , long lifetime
- 安装方便、双端出线 Easy installation, dual side pin out
- 外观设计美观 Attractive outline design

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)
12 VDC (额定值 Rated)	9-18 VDC
24 VDC (额定值 Rated)	18-36 VDC
48 VDC (额定值 Rated)	36-72 VDC
110 VDC (额定值 Rated)	66-154 VDC

四倍输入 (Four Times Input)

18 VDC (额定值 Rated) —— 9-36VDC

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)	2-10A 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)	>1500VDC		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)	>1050VDC			
	输出-外壳 (Output-Case)	>500VDC			

保护特性 General Characteristic

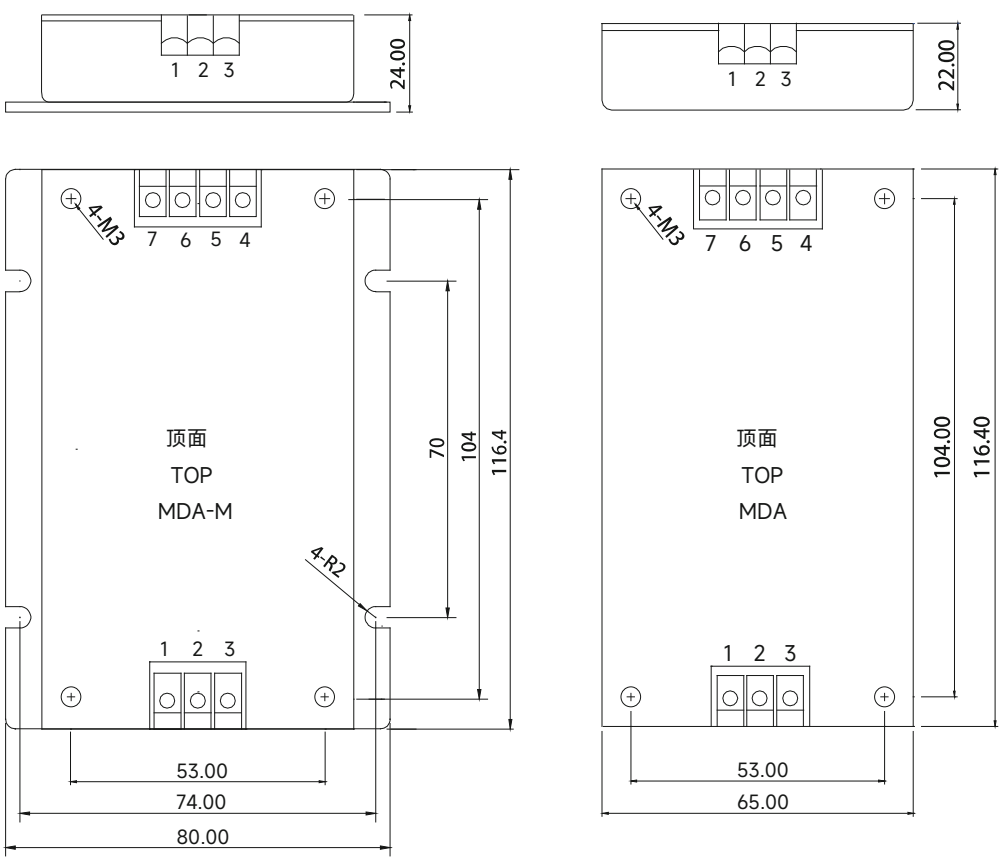
- ★ 输入欠压保护(Input under voltage protection)
- ★ 输入过压保护(Input over voltage protection)
- ★ 过温保护(Over temperature protection)
- ★ 输出过流保护(Output over current protection)
- ★ 输出短路保护(Output short circuit protection)

	输入电压(Vdc) Input voltage	输入电压范围（Vdc） 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	18	9-36	12	6.25	120	83%	MDA 75-18S12
	18	9-36	24	3.13	200	84%	MDA 75-18S24
	24	18-36	12	8.33	120	84%	MDA 100-24S12
	24	18-36	24	4.16	200	86%	MDA 100-24S24
	48	36-72	12	8.33	120	85%	MDA 100-48S12
	48	36-72	24	4.16	200	86%	MDA 100-48S24
	110	66-154	12	8.33	120	84%	MDA 100-110S12
	110	66-154	24	4.16	200	86%	MDA 100-110S24
双路 Dual Channels Output	24	18-36	05&12	3&4	80&120	82%	MDA75-24D05&12
	48	36-72	12&24	1.5&2	12&200	83%	MDA75-48D12&24

■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 87-88.

■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



注：马蹄板安装型号加尾缀M

单位(Unit):mm

引脚 PIN	单路 SIGN	双路 DOU
1	Gr.	Gr.
2	-Vin	-Vin
3	+Vin	+Vin
4	+Vo	+Vo1
5	+Vo	-Vo1
6	-Vo	+Vo2
7	-Vo	-Vo2