



MDF Series (100~150W) 宽电压隔离系列

特性 Features

- 输入II型滤波 II type input filter
- 高功率密度 High power density
- 满负荷效率可达91% Full load efficiency up to 91%
- 输出短路保护 Output short circuit protection
- 快速动态响应 Fast dynamic response
- 自然冷却, 可附加散热器 Natural cooling, heat sink attachable
- 体积小, 单双路输出 Small form factor, single double output
- 安装方便 Easy installation
- 高可靠性, 长寿命设计 Design for high reliability, long lifetime
- 功率覆盖范围广, 便于升级 Wide range of power, easy to upgrade



输入特性 Input Characteristic

电压范围 (Voltage Range)	12VDC(额定值)	9-18 VDC	反压保护 (Reverse Protection) 应用时外接熔丝 (Fuse Outside)
	24VDC(额定值)	18-36 VDC	
	48VDC(额定值)	36-72 VDC	
	110VDC(额定值)	70-140 VDC	

输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	± 1%	温度系数 (Temperature Coefficient)	± 0.01%/°C
电压调整率(主路) (Line Regulation<main>)	± 0.2%	电流限制点 (Output Current Limiting)	120%(Typ)
负载调整率(主路) (Load Regulation<main>)	± 0.4%	响应速度 (Dynamic Response)	400 μ s

一般特性 General Characteristic

工作频率(Switching Frequency)	160-200 KHz	环境特性(Environmental Characteristics)	
绝缘电阻(Isolation Resistance)	200 MΩ	工作壳温(Case Temperature)	
MTBF	>500000 H	工业品(Industry)	-25°C ~ +85°C
绝缘强度(Isolation Voltage)		军品I(Military I)	-40°C ~ +85°C
输入-输出(Input-Output)	>1500 VDC	军品II(Military II)	-55°C ~ +85°C
输入-外壳(Input-Case)	>1050 VDC	存储温度(Storage Temperature)	
输出-外壳(Output-Case)	>500 VDC	工业品(Industry)	-45°C ~ +105°C
		军品(Military)	-55°C ~ +105°C

DC-DC 端子式电源模块系列

型号 Models

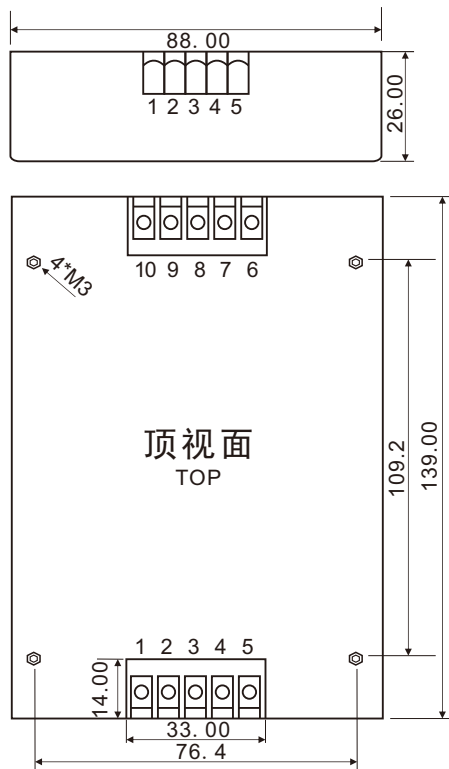
	型号 Models	输入电压(Vdc) Input voltage	输入电压范围(Vdc) Input voltage range	输出电压(Vdc) Output voltage	输出电流(A) Output current	纹波(mv) Ripple and noise	效率(Typ) Efficiency
单路	MDF100-12S05	12	9~18	5	20	50	83%
	MDF100-12S12			12	8.33	120	83%
	MDF150-12S13.8			13.8	10.87	120	83%
	MDF100-24S5	24	18~36	5	20	50	85%
	MDF150-24S12			12	12.5	120	85%
	MDF150-24S24			24	6.25	200	88%
	MDF100-48S5	48	36~72	5	20	50	85%
	MDF150-48S12			12	12.5	120	86%
	MDF150-48S24			24	6.25	200	86%
	MDF150-110S12	110	72~144	12	12.5	120	86%
	MDF150-110S24			24	6.25	200	86%
双路	MDF50-12D5&5	12	9~18	5/5	5/5	50/50	84%
	MDF100-12D5&12			5/12	15/2.1	50/120	84%
	MDF75-24D12&12	24	18~36	12/12	3.13/3.13	120/120	85%
	MDF150-24D15&15			15/15	8/2	150/150	88%
	MDF132-24D12&24			12/24	3/4	120/240	86%
	MDF100-48D5&12	48	36~72	5/12	15/2	50/120	88%
	MDF120-48D12&24			12/24	8/1	120/200	86%

说明：仅列出典型型号，其他型号，请确定功率、输入电压及输出电压，致电我公司0571-88915820

Only typical models listed. If you need other model, please conform the power, input voltage and output voltage, then phone us.

外形尺寸及引脚定义(单位mm) Mechanical drawing and pin definition

MDF(100~150W) 139x88x26mm



引脚	单路	双路
1	-Vin	-Vin
2	-Vin	-Vin
3	+Vin	+Vin
4	+Vin	+Vin
5	REM	REM
6	TRIM	NC
7	+Vo	-Vo1
8	+Vo	+Vo1
9	-Vo	-Vo2
10	-Vo	+Vo2