



# MDS Series (50~75W) 宽电压隔离系列

## 特性 Features

- 输入C型滤波 C type input filter
- 输入输出完全隔离 Completely isolate between input & output
- 输出短路保护 Output short circuit protection
- 满负荷效率可达89% Full load efficiency up to 89%
- 快速动态响应 Fast dynamic response
- 体积小, 单双路输出 Small form factor, single double output
- 高可靠性, 长寿命设计 Design for high reliability, long lifetime



## 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)	72-144 VDC	

## 输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	Vo1: ±1%、Vo2: ±3%	温度系数 (Temperature Coefficient)	±0.02%/°C
输出电压调整范围 (Output Voltage Range)	±10%	电流限制点 (Output Current Limiting)	120%(Typ)
电压调整率 (Line Regulation)	±1%	响应速度 (Dynamic Response)	400 μs
负载调整率 (Load Regulation)	<0.5%		
交叉调整率 (Cross Regulation)	±3%		

## 一般特性 General Characteristic

工作频率 (Switching Frequency)	300 KHz	环境特性(Environmental Characteristics)	
绝缘电阻 (Isolation Resistance)	200 MΩ	工作温度(Operation Temperature)	
MTBF	>500000 H	工业品(Industry)	-25°C ~ +60°C
绝缘强度(Isolation Voltage)		军品I(Military I)	-40°C ~ +70°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		
输出-外壳(Output-Case)	>500 VDC	存储温度(Storage Temperature)	
主路-副路(Main-Aux)	>500 VDC	工业品(Industry)	-45°C ~ +105°C
		军品I(Military I)	-55°C ~ +105°C

# DC-DC 插针式电源模块系列

## 型号 Models

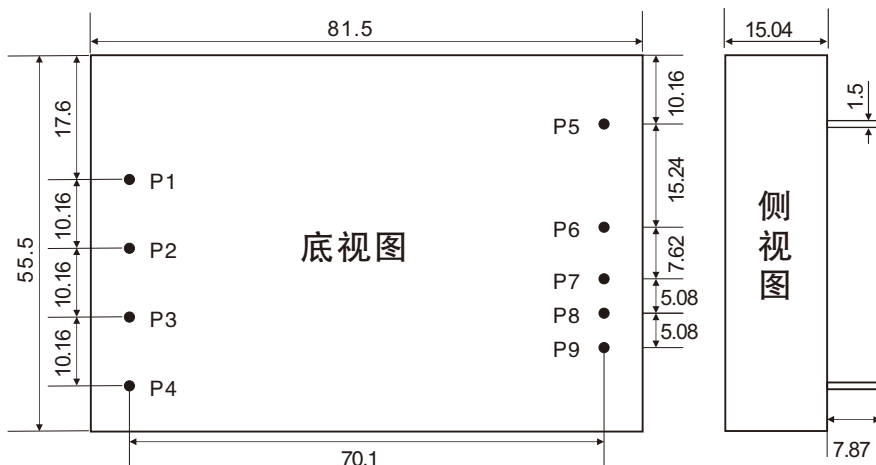
型号 Models	输入电压(Vdc) Input voltage	输入电压范围(Vdc) Input voltage range	输出电压(Vdc) Output voltage	输出电流(A) Output current	纹波(mv) Ripple and noise	效率(Typ) Efficiency
MDS50-XXS5	12 24 48 110	9~18 18~36 36~72 72~144	5.0	10.0	80	82%
MDS50-XXS12			12.0	4.2	100	85%
MDS50-XXS15			15.0	3.3	100	86%
MDS50-XXS24			24.0	2.0	200	86%
MDS50-XXS48			48.0	1.04	200	87%
MDS50-XXD5	12 24 48 110	9~18 18~36 36~72 72~144	5.0/-5.0	5.0/5.0	50/50	80%
MDS50-XXD12			12.0/-12.0	2.08/2.08	100/100	84%
MDS50-XXD15			15.0/-15.0	1.67/1.67	150/150	85%
MDS50-XXD24			24.0/-24.0	1.04/1.04	200/200	85%
MDS75-XXS5	12 24 48 110	9~18 18~36 36~72 72~144	5.0	15.0	50	82%
MDS75-XXS12			12.0	6.25	100	85%
MDS75-XXS15			15.0	5.0	100	86%
MDS75-XXS24			24.0	3.1	200	86%
MDS75-XXS48			48.0	1.5	200	87%
MDS75-XXD5	12 24 48 110	9~18 18~36 36~72 72~144	5.0/-5.0	7.5/7.5	50/50	80%
MDS75-XXD12			12.0/-12.0	3.13/3.13	100/100	84%
MDS75-XXD15			15.0/-15.0	2.5/2.5	150/150	85%
MDS75-XXD24			24.0/-24.0	1.56/1.56	200/200	85%

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

MDS (50~75W) 81.5×55.5×15mm



注：P2、P3、P5、P6管脚针为1.5mm，其它管脚针为1.0mm

引脚	单路	双路
P1	FG	FG
P2	Vin+	Vin+
P3	Vin-	Vin-
P4	REM	REM
P5	Vo1+	Vo1+
P6	GND	COM
P7	+S	NC
P8	TRIM	Vo2-
P9	-S	NC