

AC/DC MAC,MAD 系列

超低输出噪声 <30mvp-p

10-30W



物理特性

结构尺寸: 120/110*85*27mm
重量: MAC:0.3Kg MAD:0.28Kg

特性

Features

- | | |
|-------------------------|--|
| ■ 输入宽频噪声滤波 | Wideband noise filter of input |
| ■ 快速动态响应 | Fast dynamic response |
| ■ 安装方便 | Easy installation |
| ■ 接线端子出线方式 | Outlet terminal method |
| ■ 输入浪涌抑制电路 | Surge suppression circuit of input |
| ■ 符合 UL1950、IEC950 安全规程 | Comply with UL1950,IEC950 safety regulations |

输入特性

Input Characteristics

电压范围: **AC-DC** 220V_{AC}(Normal) 176-264V_{AC}
(Voltage Range)

输出特性

Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	± 1%
电压调整率: (Line Regulation)	± 0.2%
负载调整率: (Load Regulation)	± 0.5%
温度变化率: (Temperature Coefficient)	± 0.02% /°C
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

选型说明

User's Selection Guide

- MAD: 顶面散热, 双端出线
(Top heat dissipation, two side terminal)
- MAC: 顶面散热, 双端出线, 带马蹄孔安装板
(Top heat dissipation, two side terminal, mounting hoof-hole)

一般特性

General Characteristics

工作频率 (典型值): (Switching Frequency)	200 KHz
隔离电阻: (Isolation Resistance)	200 (Typ)MΩ
MTBF:	>500000 hrs

绝缘强度 (Insulation Voltage)

输入 - 输出: (Input-Output)	> 1500 V _{AC} /1min (漏电流 < 5mA)
输入 - 外壳: (Input-Case)	> 1500 V _{AC} /1min (漏电流 < 5mA)
输出 - 外壳: (Output-Case)	> 500 V _{DC} /1min

环境特性 (Environmental Characteristics)

工作壳温: (Operation Temperature)	工业品 (Industry)	-25~+85°C
	军 I (Military I)	-40~+85°C
	军 II (Military II)	-55~+85°C
存储温度: (Storage Temperature)	工业品 (Industry)	-45~+105°C
	军品 (Military)	-55~+105°C

热阻特性

Thermal Characteristics

冷却方式: (Cooling)	热阻 (MAC) 热阻 (MAD) (Thermal Resistance)
自然风冷: (Breeze of Nature)	2.43°C/W 3.03°C/W
0.5M/S	1.99°C/W 2.48°C/W
1M/S	1.63°C/W 2.03°C/W
1.5M/S	1.34°C/W 1.67°C/W
2M/S	1.09°C/W 1.37°C/W

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型号 Models

输入电压 (Vac) Input Voltage	输入电压 (范围) Input Voltage<Range>	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current	纹波 pk-pk (mV) Ripple and noise	效率 (Typ) Efficiency	型号 Models
220	176-264	3.3	3.03	20	82%	MAC-X10-220S3.3
220	176-264	3.3	3.03	30	82%	MAC10-220S3.3
220	176-264	05	2	30	82%	MAC-X10-220S05
220	176-264	05	2	30	82%	MAC10-220S05
220	176-264	13.8	0.72	120	82%	MAC10-220S13.8
220	176-264	15	0.67	150	82%	MAC10-220S15
220	176-264	18	0.56	200	82%	MAC10-220S18
220	176-264	24	0.42	200	83%	MAC10-220S24
220	176-264	3.3	4.55	30	82%	MAC15-220S3.3
220	176-264	05	3	30	82%	MAC-X15-220S05
220	176-264	05	3	50	82%	MAC15-220S05
220	176-264	12	1.25	30	82%	MAC-X15-220S12
220	176-264	12	1.25	120	82%	MAC15-220S12
220	176-264	15	1	150	82%	MAC15-220S15
220	176-264	18	0.83	200	82%	MAC15-220S18
220	176-264	24	0.63	200	83%	MAC15-220S24
220	176-264	28	0.54	300	83%	MAC15-220S28
220	176-264	3.3	6.06	50	82%	MAC20-220S3.3
220	176-264	05	4	30	82%	MAC-X20-220S05
220	176-264	05	4	50	82%	MAC20-220S05
220	176-264	12	1.67	30	82%	MAC-X20-220S12
220	176-264	12	1.67	120	82%	MAC20-220S12
220	176-264	15	1.33	150	82%	MAC20-220S15
220	176-264	18	1.11	200	82%	MAC20-220S18
220	176-264	24	0.83	200	83%	MAC20-220S24
220	176-264	28	0.71	300	83%	MAC20-220S28
220	176-264	05	5	50	82%	MAC25-220S05
220	176-264	09	2.78	90	82%	MAC25-220S09
220	176-264	12	2.08	120	82%	MAC25-220S12
220	176-264	13.8	1.81	120	82%	MAC25-220S13.8
220	176-264	15	1.67	150	82%	MAC25-220S15
220	176-264	18	1.39	200	82%	MAC25-220S18
220	176-264	24	1.04	200	83%	MAC25-220S24
220	176-264	28	0.89	300	83%	MAC25-220S28
220	176-264	05	6	50	82%	MAC30-220S05
220	176-264	09	3.33	90	82%	MAC30-220S09
220	176-264	12	2.5	120	82%	MAC30-220S12
220	176-264	13.8	2.17	120	82%	MAC30-220S13.8
220	176-264	15	2	150	82%	MAC30-220S15
220	176-264	18	1.67	200	82%	MAC30-220S18
220	176-264	24	1.25	200	83%	MAC30-220S24
220	176-264	28	1.07	300	83%	MAC30-220S28
220	176-264	36	0.83	300	83%	MAC30-220S36
220	176-264	48	0.63	300	83%	MAC30-220S48
220	176-264	05&05	1&1	30&30	82%	MAC-X10-220D05&05
220	176-264	05&05	1&1	50&50	82%	MAC10-220D05&05
220	176-264	05&12	0.5&0.63	30&30	82%	MAC-X10-220D05&12
220	176-264	05&12	0.5&0.63	50&120	82%	MAC10-220D05&12
220	176-264	05&12	1&1.25	50&120	82%	MAC20-220D05&12
220	176-264	12&12	0.83&0.83	120&120	82%	MAC20-220D12&12
220	176-264	12&12	1.25&1.25	120&120	82%	MAC30-220D12&12
220	176-264	15&15	1.5&0.5	150/150	82%	MAC30-220D15&15

注：以上 MAC 的选型，MAD 均可定制。 All above model MAC selected MAD able to customize.

型号中功率前面带“X”的为低纹波电源，纹波小于等于 30mV。Model selection of the mark with an "X" is low ripple power supply ,the ripple is less than 30mV.

■ 说明：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后，致电我公司。

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