

DC/DC MZF 系列

铁路机车专用电源

AC/DC MAG 系列

三路独立稳压输出

75-200W



物理特性

结构尺寸: 160/140*120*50mm
重量: MZF:0.90Kg MAG:1.1Kg

特性

Features

- 输出低纹波 Low output Ripple
- 输入浪涌抑制电路 Surge suppression circuit of input
- 输入宽频噪声滤波器 Wideband noise filter of input
- 双路、三路稳定输出 Double and Triple stable output
- 全面通过 EN55021, IEC60571 测试 Fully passed EN55021, IEC60571 test
- 符合 UL1950、IEC950 安全规程 Comply with UL1950, IEC950 safety regulations

MZF 输入特性

MZF Input Characteristics

电压范围: (Voltage Range)	DC-DC	12V _{DC} (Normal)	9-18V _{DC}
		24V _{DC} (Normal)	18-36V _{DC}
		48V _{DC} (Normal)	36-72V _{DC}
		110V _{DC} (Normal)	66-160V _{DC}

反压保护: 应用时外接电熔丝
(Voltage Range) (External Fuse)

MAG 输入特性

MAG Input Characteristics

电压范围: (Voltage Range)	AC-DC	220V _{AC} (Normal)	176-264V _{AC}
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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)	± 1%
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

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)

	DC-DC	AC-DC
输入 - 输出: (Input-Output)	> 1500 V _{DC}	> 1500 V _{AC} /1min (漏电流 < 5mA)
输入 - 外壳: (Input-Case)	> 1050 V _{DC}	> 1500 V _{AC} /1min (漏电流 < 5mA)
输出 - 外壳: (Output-Case)	> 500 V _{DC}	> 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
存储温度: (Storage Temperature)	军 II (Military II)	-55~+85°C
	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 (Thermal Resistance)
自然风冷: (Breeze of Nature)	1.70 °C / W
0.5M/S	1.39 °C / W
1M/S	1.14 °C / W
1.5M/S	0.93 °C / W
2M/S	0.76 °C / W

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型号

Models

	输入电压 (Vdc) 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
单	12	9-18	12	6.25	30	82%	MZF-X75-12S12
	12	9-18	12	6.25	120	82%	MZF75-12S12
	12	9-18	24	6.25	200	83%	MZF150-12S24
	24	18-36	12	6.25	30	82%	MZF-X75-24S12
	24	18-36	12	6.25	120	82%	MZF75-24S12
	24	18-36	12	1.57	120	82%	MZF75-24S48
	24	18-36	24	4.17	200	83%	MZF100-24S24
	24	18-36	12	8.33	30	82%	MZF-X100-24S12
	24	18-36	12	8.33	120	82%	MZF100-24S12
	48	36-72	12	12.5	120	82%	MZF150-48S12
	48	36-72	24	6.25	200	83%	MZF150-48S24
	48	36-72	48	3.13	300	84%	MZF150-48S48
	110	66-160	12	6.25	120	82%	MZF75-110S12
	110	66-160	24	3.13	200	84%	MZF75-110S24
路	110	66-160	48	2	300	85%	MZF100-110S48
	110	66-160	12	8.33	120	82%	MZF100-110S12
	110	66-160	24	6.25	200	84%	MZF150-110S24
	110	66-160	48	3.13	300	84%	MZF150-110S48
	12	9-18	12&12	3.13&3.13	30&30	82%	MZF-X75-12D12&12
	12	9-18	12&12	3.13&3.13	120&120	82%	MZF75-12D12&12
	12	9-18	24&24	1.56&1.56	200&200	82%	MZF75-12D24&24
	12	9-18	12&12	4.17&4.17	120&120	83%	MZF100-12D12&12
	12	9-18	12&24	4.17&2	120&200	82%	MZF100-12D12&24
	12	9-18	24&24	2&2	200&200	83%	MZF100-12D24&24
	12	9-18	05&12	10&8.33	50&120	82%	MZF150-12D05&12
	12	9-18	12&12	6.25&6.25	120&120	83%	MZF150-12D12&12
	12	9-18	12&24	6.25&3.13	120&200	82%	MZF150-12D12&24
	12	9-18	24&24	3.13&3.13	200&200	83%	MZF150-12D24&24
双	24	18-36	12&12	3.13&3.13	120&120	82%	MZF75-24D12&12
	24	18-36	12&24	3.13&1.56	120&200	83%	MZF75-24D12&24
	24	18-36	24&24	1.56&1.56	200&200	82%	MZF75-24D24&24
	24	18-36	12&12	4.17&4.17	120&120	83%	MZF100-24D12&12
	24	18-36	12&24	4.17&2	120&200	82%	MZF100-24D12&24
	24	18-36	24&24	2&2	200&200	83%	MZF100-24D24&24
	24	18-36	05&12	10&8.33	30&30	82%	MZF-X150-24D05&12
	24	18-36	05&12	10&8.33	50&120	82%	MZF150-24D05&12
	24	18-36	12&24	6.25&3.13	120&200	82%	MZF150-24D12&24
	24	18-36	24&24	3.13&3.13	200&200	83%	MZF150-24D24&24
	48	36-72	12&12	3.13&3.13	120&120	82%	MZF75-48D12&12
	48	36-72	12&24	3.13&1.56	120&200	83%	MZF75-48D12&24
	48	36-72	24&24	1.56&1.56	200&200	82%	MZF75-48D24&24
	48	36-72	12&12	4.17&4.17	120&120	83%	MZF100-48D12&12
48	36-72	12&24	4.17&2	120&200	82%	MZF100-48D12&24	
48	36-72	24&24	2&2	200&200	83%	MZF100-48D24&24	
48	36-72	05&12	10&8.33	50&120	82%	MZF150-48D05&12	
48	36-72	12&12	6.25&6.25	120&120	83%	MZF150-48D12&12	
48	36-72	12&24	6.25&3.13	120&200	82%	MZF150-48D12&24	
48	36-72	24&24	3.13&3.13	200&200	83%	MZF150-48D24&24	
路	110	66-160	12&12	4.17&4.17	120&120	82%	MZF100-110D12&12
	110	66-160	24&24	2&2	200&200	83%	MZF100-110D24&24
	110	66-160	12&12	6.25&6.25	120&120	82%	MZF150-110D12&12
	110	66-160	12&24	6.25&3.13	120&200	84%	MZF150-110D12&24
	110	66-160	24&24	3.13&3.13	200&200	84%	MZF150-110D24&24

注：以上选型，型号中功率前面带“X”的为低纹波电源，纹波小于等于 30mV。Above selection, 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.

AC/DC MAG 系列

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	05&05	7.5&7.5	30&30	80%	MAG-X75-220D05&05
220	176-264	05&05	7.5&7.5	50&50	80%	MAG75-220D05&05
220	176-264	05&12	7.5&3.13	30&30	80%	MAG-X75-220D05&12
220	176-264	05&12	7.5&3.13	50&120	80%	MAG75-220D05&12
220	176-264	05&24	7.5&1.56	30&30	80%	MAG-X75-220D05&24
220	176-264	05&24	7.5&1.56	50&200	80%	MAG75-220D05&24
220	176-264	12&13.8	3.13&2.72	120&120	82%	MAG75-220D12&13.8
220	176-264	12&24	3.13&1.56	120&200	82%	MAG75-220D12&24
220	176-264	12&48	3.13&0.78	120&300	83%	MAG75-220D12&48
220	176-264	13.8&24	2.72&1.56	120&200	82%	MAG75-220D13.8&24
220	176-264	13.8&48	2.72&0.78	120&300	82%	MAG75-220D13.8&48
220	176-264	24&24	1.56&1.56	200&200	83%	MAG75-220D24&24
220	176-264	24&48	1.56&0.78	200&300	82%	MAG75-220D24&48
220	176-264	48&48	0.78&0.78	300&300	82%	MAG75-220D48&48
220	176-264	05&05	10&10	50&50	80%	MAG100-220D05&05
220	176-264	05&12	10&4.17	50&120	80%	MAG100-220D05&12
220	176-264	05&24	10&2	50&200	80%	MAG100-220D05&24
220	176-264	05&13.8	10&3.62	50&120	80%	MAG100-220D05&13.8
220	176-264	05&48	10&1	50&300	80%	MAG100-220D05&48
220	176-264	12&12	4.17&4.17	120&120	83%	MAG100-220D12&12
220	176-264	12&13.8	4.17&3.62	120&120	82%	MAG100-220D12&13.8
220	176-264	12&24	4.17&2	120&200	82%	MAG100-220D12&24
220	176-264	12&48	4.17&1	120&300	83%	MAG100-220D12&48
220	176-264	13.8&24	3.62&2	120&200	82%	MAG100-220D13.8&24
220	176-264	13.8&48	3.62&1	120&300	82%	MAG100-220D13.8&48
220	176-264	24&24	2&2	200&200	83%	MAG100-220D24&24
220	176-264	24&48	2&1	200&300	82%	MAG100-220D24&48
220	176-264	48&48	1&1	300&300	82%	MAG100-220D48&48
220	176-264	05&13.8	15&5.43	50&120	80%	MAG150-220D05&13.8
220	176-264	05&48	15&1.56	50&300	80%	MAG150-220D05&48
220	176-264	12&12	6.25&6.25	120&120	83%	MAG150-220D12&12
220	176-264	12&13.8	6.25&5.43	120&120	82%	MAG150-220D12&13.8
220	176-264	12&24	6.25&3.13	120&200	82%	MAG150-220D12&24
220	176-264	12&48	6.25&1.56	120&300	83%	MAG150-220D12&48
220	176-264	13.8&24	5.43&3.13	120&200	82%	MAG150-220D13.8&24
220	176-264	13.8&48	5.43&1.56	120&300	82%	MAG150-220D13.8&48
220	176-264	24&24	3.13&3.13	200&200	83%	MAG150-220D24&24
220	176-264	24&48	3.13&1.56	200&300	82%	MAG150-220D24&48
220	176-264	48&48	1.56&1.56	300&300	82%	MAG150-220D48&48
220	176-264	±12,+05	2.5/2.5/3	120/120/50	82%	MAG75-220T12+05
220	176-264	±05,+12	3.5/3.5/3.33	50/50/120	84%	MAG75-220T05+12
220	176-264	±12,+05	3.33/3.33/4	120/120/50	83%	MAG100-220T12+05
220	176-264	±05,+12	4/4/5	50/50/120	83%	MAG100-220T05+12
220	176-264	±05,+24	3/3/2.92	50/50/200	84%	MAG100-220T05+24
220	176-264	±12,+24	2.5/2.5/1.67	120/120/200	84%	MAG100-220T12+24
220	176-264	±12,+05	4.17/4.17/4	120/120/50	83%	MAG120-220T12+05
220	176-264	±05,+12	6/6/5	50/50/120	83%	MAG120-220T05+12
220	176-264	±05,+24	4/4/3.33	50/50/200	84%	MAG120-220T05+24
220	176-264	±12,+24	2.5/2.5/2.5	120/120/200	84%	MAG120-220T12+24
220	176-264	±05,+12	6/6/7.5	50/50/120	83%	MAG150-220T05+12
220	176-264	±12,+05	5/5/6	120/120/50	83%	MAG150-220T12+05
220	176-264	±05,+24	5/5/4.17	50/50/200	84%	MAG150-220T05+24
220	176-264	±12,+24	3.33/3.33/2.92	120/120/200	84%	MAG150-220T12+24

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