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MAC100-200W Series AC DC Converter-MINGZINC

I. MODELS LIST

Single Channels Output

Models	Input Voltage (Vac)	Input Voltage Range (Vac)	Output voltage (Vdc)	Output Current(A)	Ripple and noise(mv)	Efficiency (Typ)
MAC100-220S05	220VAC	176-264	05VDC	20A	80	83%
MAC150-220S12	220VAC	176-164	12VDC	12.5A	120	84%
MAC200-220S24	220VAC	176-264	24VDC	8.33A	200	85%
MAC200-220S28	220VAC	176-264	28VDC	7.14A	280	85%
MAC200-220S48	220VAC	176-264	48VDC	4.16A	300	85%
MAC100-220S05-K	220VAC	90-264	05VDC	20A	80	83%
MAC150-220S12-K	220VAC	90-264	12VDC	12.5A	120	84%
MAC200-220S24-K	220VAC	90-264	24VDC	8.33A	200	85%
MAC200-220S28-K	220VAC	90-264	28VDC	7.14A	280	85%
MAC200-220S48-K	220VAC	90-264	48VDC	4.16A	300	85%

Dual Channels Output

Models	Input voltage (Vac)	Input Voltage Range (Vac)	Output voltage (Vdc)	Output current(A)	Ripple and noise(mv)	Efficiency (Typ)
MAC100-220D05&12	220VAC	176-264	05&12VDC	10A&4A	100&120	83%
MAC120-220D05&24	220VAC	176-264	05&24VDC	4&4	80&200	83%
MAC150-220D12&24	220VAC	176-264	12&24VDC	8&4	120&200	84%
MAC150-220D05&28	220VAC	176-264	05&28VDC	2&5	50&280	83%

II. FEATURES

1	Broadband noise filter of input
2	Surge suppress circuit of input
3	Comply with UL 1950,IEC950 safety regulation
4	Attractive outline design
5	Terminal connection method

Condition: All specifications are tested under the room temperature 25 °C, Normal input voltage and Pure Negative Normal Load

III. INPUT CHARACTERISTIC

Rated value(VAC)	Voltage Range(VAC)
220 VAC	176-264 VAC

IV. OUTPUT CHARACTERISTIC

Parameter	Value
Power	100-200W
Output Voltage	5-48VDC
Output Current	4.16-20A
Line Regulation<main>	±0.5%
Load Regulation<main>	±0.5%
Voltage Set-point Accuracy	±2%
Output Current Limiting	120%(Typ)

V. PROTECTIVE CHARACTERISTIC

1	Input under voltage protection
2	Input over voltage protection
3	Over temperature protection
4	Output over current protection
5	Output short circuit protection

GENERAL CHARACTERISTIC

Parameter	Value
Switching Frequency	100-200KHz
Isolation Resistance	200MΩ

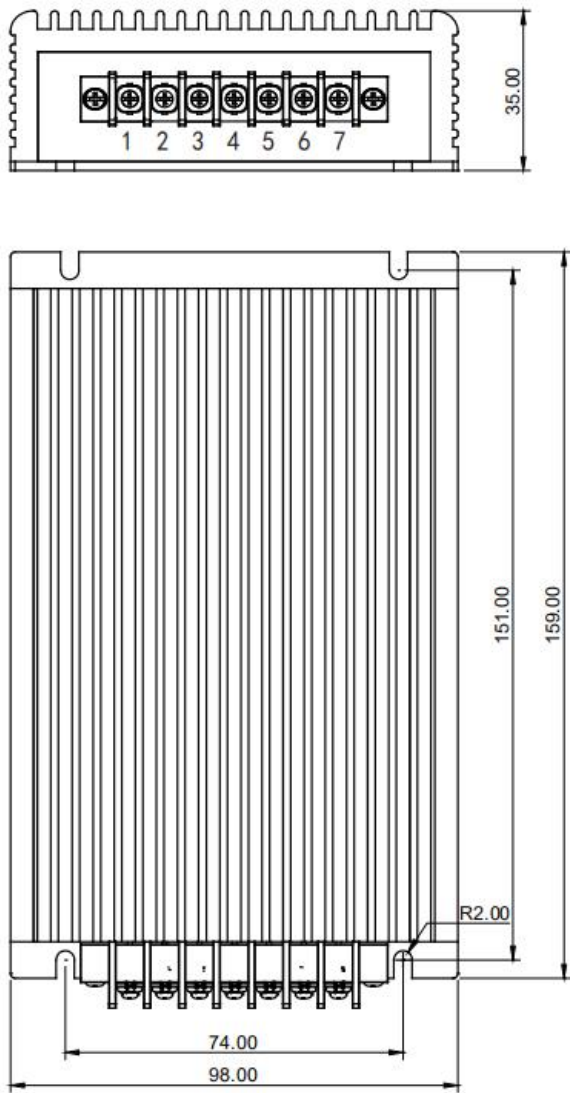
Isolation Voltage

Parameter	Value
Input-Output	>1500VAC/1 min leakage current <5mA
Input-Case	>1500VAC/1 min leakage current <5mA
Output-Case	>500VDC/1 min
Main-Vice	>500VDC/1 min

Environmental Characteristics

Parameter		Value
Case Temperature	Industry	-25 – +85℃
	Military I	-40 – +85℃
	Military II	-55 – +85℃
Storage Temperature	Industry	-45 – +105℃
	Military I	-55 – +105℃

VI. MECHANICAL DRAWING AND PIN DEFINITION



单位 (Unit): mm

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

VII. REFERENCE PICTURES

