

## MD1212 Switching Mode Power Supply

### ■ Special Features

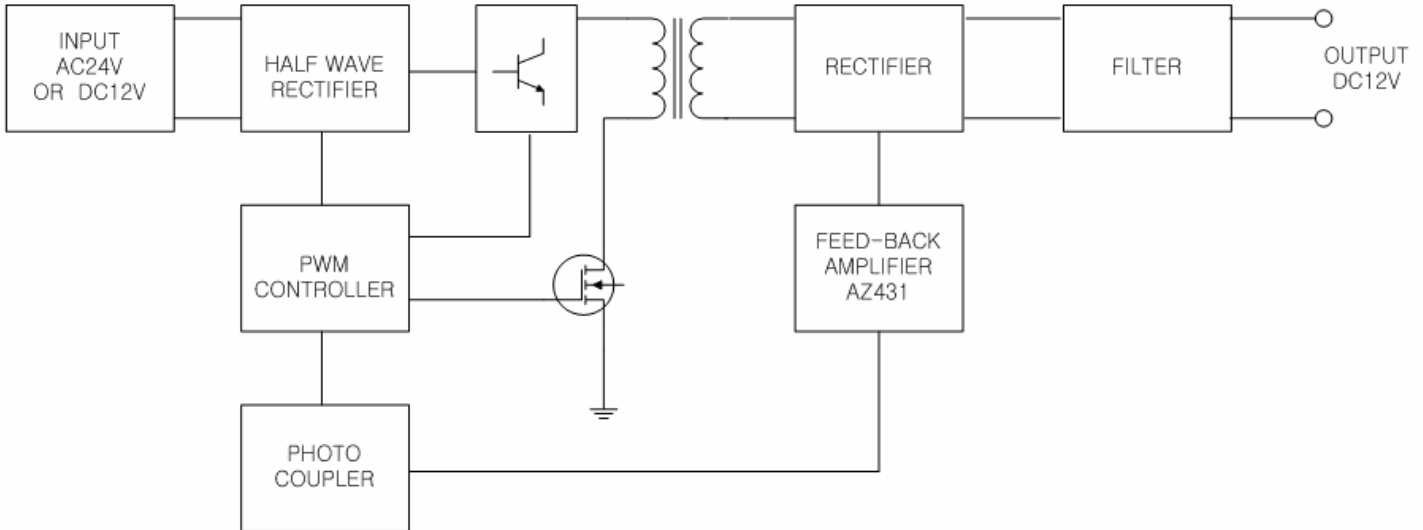
- Small multi-purpose power supply
- Wide Input Range
- Isolated output
- Short circuit/Over voltage protection
- AC/DC OR DC/DC Mode modules
- Thermal shutdown
- Low standby-power



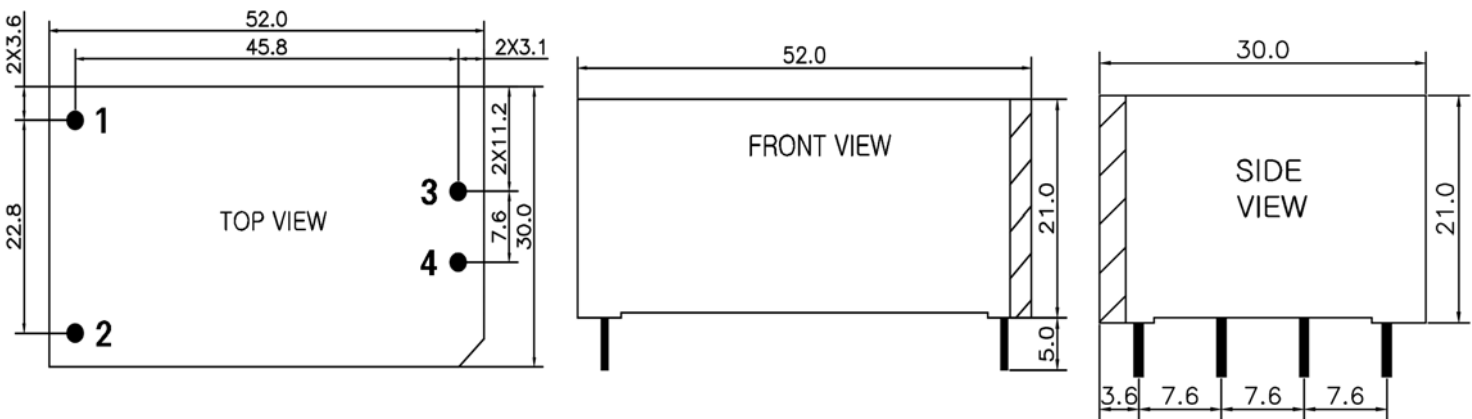
### ■ Electrical Characteristics

Characteristics		Condition	Min.	Typ.	Max.	Unit
AC Input	Input Voltage Range	$I_o=1.0A$	20.0	24.0	28.0	V
	Current	$I_o=1.0A$	-	-	1.0	A
DC Input	Input Voltage Range	$I_o=1.0A$	11.0	12.0	35.0	V
	Current	$I_o=1.0A$	-	-	1.0	A
Frequency	Switching Frequency	$I_o=1.0A$	-	83	-	KHz
DC Output	Output Voltage	$I_o=1.0A$	11.4	12.0	12.6	V
	Output Current	$I_o=1.0A$	-	-	1.0	A
	Line Regulation	$I_o=1.0A$	-	-	0.2	V
	Load Regulation	$I_o=1.0A$	-	-	0.2	V
	Ripple Voltage	$I_o=1.0A$	-	-	0.2	Vp-p
	Efficiency	$V_i=DC12V, I_o=1.0A$	-	80	-	%
	$V_i=AC24V, I_o=1.0A$	-	78	-	%	
Ambient Temperature	Operating Range	$I_o=1.0A$	-10	-	70	°C
	Storage Range		-20	-	105	°C

■ Block Diagram



■ Dimension



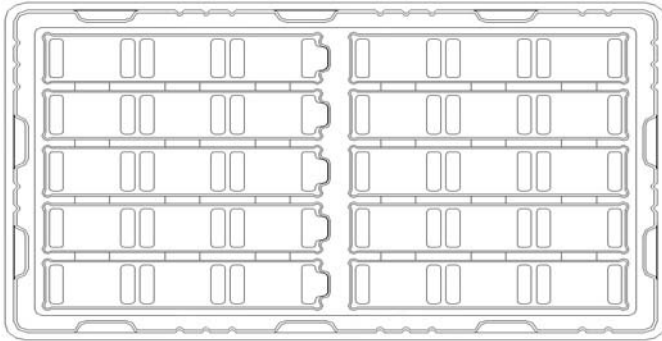
Pin No.	Description	Pin No.	Description
1	AC INPUT(L)	3	DC GND
	DC INPUT(+)		
2	AC INPUT(N)	4	DC OUTPUT
	DC INPUT(-)		

Notes

- 1. Dimension in mm
- 2. PIN : Ø 0.9

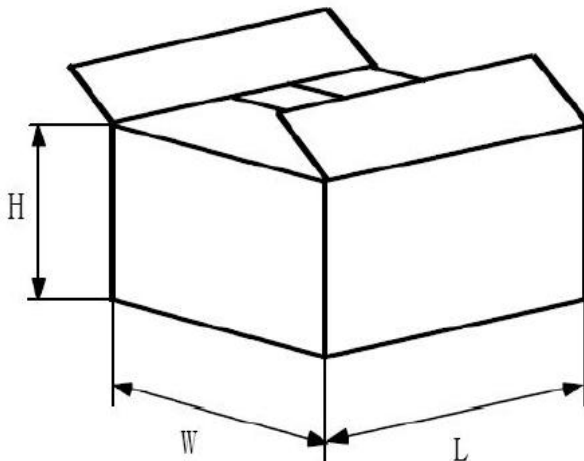
■ Packing Specification

1. Inner Box



<b>Matter</b>	PET
<b>Quantity</b>	30pcs ( 6 X 5 )

2. Output Box



<b>L</b>	460
<b>W</b>	390
<b>H</b>	225
<b>Quantity</b>	360EA
<b>Marking</b>	1. Maker 2. Part Number 3. Quantity

\* Unit : mm

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