

Temperature increase of main components

Model: MGW3012□□

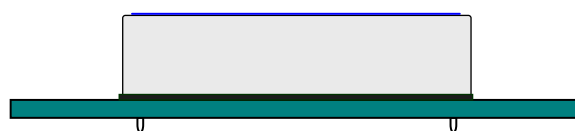
1. Conditions

- (1) Input :DC 12 [V]
 (2) Output :Rated output
 (3) Cooling method :Convection cooling
 (4) Mounting method :Shown as Fig.1.1

2. Result

Table 2.1 Temperature increase of main components

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No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			± 5V	± 12V	± 15V		
1	Transformer	T101	52	–	52	150	
2	Switching MOS-FET	TR101	46	–	48	150	Junction Temp.
3	Rectified Diode(Output)	D201	56	–	49	150	Junction Temp.
4	Rectified Diode(Output)	D203	57	–	49	150	Junction Temp.
5	Output Choke Coil	L201	56	–	54	150	
6	Bipolar Transistor	TR113	44	–	44	150	Junction Temp.
7	Case	–	46	–	44	–	
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(Side view)

Fig.1.1 Mounting method
(Normal position)