

Temperature increase of main components

Model: MGFW3024□□

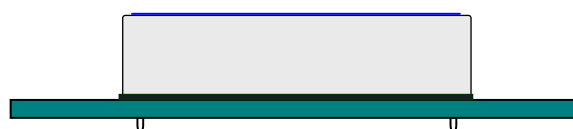
1. Conditions

- (1) Input :DC 24 [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

No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			± 5V	± 12V	± 15V		
1	Transformer	T101	45	56	66	150	
2	Switching MOS-FET	TR101	42	53	57	150	Junction Temp.
3	Rectified Diode(Output)	D201	48	55	61	150	Junction Temp.
4	Rectified Diode(Output)	D203	50	55	63	150	Junction Temp.
5	Output Choke Coil	L201	49	60	66	150	
6	Bipolar Transistor	TR113	39	48	53	150	Junction Temp.
7	Case	–	40	48	53	–	
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(Side view)

Fig.1.1 Mounting method
(Normal position)