

Temperature increase of main components

Model: MGFW1524□□

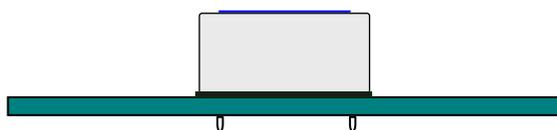
1. Conditions

- (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	69	55	52	155	
2	Switching MOS-FET	TR101	61	55	53	150	Junction Temp.
3	Rectified Diode(Output)	D201	62	51	49	150	Junction Temp.
4	Output Choke Coil	L201	60	50	47	130	
5	Bipolar Transistor	TR113	59	52	49	150	Junction Temp.
6	Case	-	52	46	42	-	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



(Side view)

Fig.1.1 Mounting method (Normal position)