

Temperature increase of main components

Model: MGFW1524□□

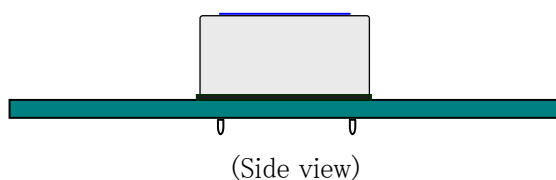
## 1. Conditions

- (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 ( $\Delta T$ )			Rated temp. [°C]	Reference
			[deg]				
			$\pm 5V$	$\pm 12V$	$\pm 15V$		
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	—	
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Fig.1.1 Mounting method  
(Normal position)