

Temperature increase of main components

Model: MGFW3048□□

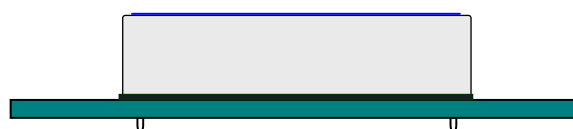
1. Conditions

- (1) Input :DC 48 [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]				
			$\pm 5V$	$\pm 12V$	$\pm 15V$		
1	Transformer	T101	45	57	68	150	
2	Switching MOS-FET	TR101	44	57	64	150	Junction Temp.
3	Rectified Diode(Output)	D201	48	56	63	150	Junction Temp.
4	Rectified Diode(Output)	D203	50	57	67	150	Junction Temp.
5	Output Choke Coil	L201	49	61	68	150	
6	Bipolar Transistor	TR113	39	49	57	150	Junction Temp.
7	Case	—	39	47	55	—	
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(Side view)

Fig.1.1 Mounting method
(Normal position)