

Temperature increase of main components

Model: MGFW8048□□

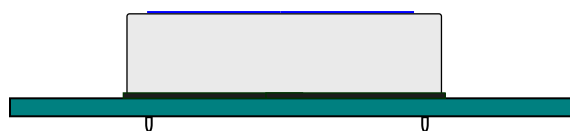
1. Conditions

- (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

No.	Parts name	Symbol No.	Increase (ΔT)		Rated temp. [°C]	Reference
			[deg]			
			$\pm 12V$	$\pm 15V$		
1	Switching MOS-FET	TR101	51	50	150	Junction Temp.
2	Input Choke Coil	L101	40	39	125	
3	Rectified MOS-FET(Output)	TR501	50	49	150	Junction Temp.
4	Output Choke Coil	L501	45	43	125	
5	Rectified MOS-FET(Output)	TR511	51	49	150	Junction Temp.
6	Output Choke Coil	L511	45	44	125	
7	CASE	CASE	43	43	105	Top Surface Center
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(Side view)

Fig.1.1 Mounting method
(Normal position)