

Temperature increase of main components

Model: MGFW8024□□

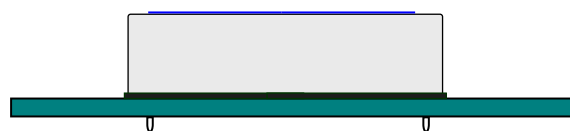
1. Conditions

- (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

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	52	59	150	Junction Temp.
2	Input Choke Coil	L101	45	44	125	
3	Rectified MOS-FET(Output)	TR501	52	53	150	Junction Temp.
4	Output Choke Coil	L501	46	47	125	
5	Rectified MOS-FET(Output)	TR511	54	54	150	Junction Temp.
6	Output Choke Coil	L511	46	49	125	
7	CASE	CASE	46	46	105	Top Surface Center
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19						
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(Side view)

Fig.1.1 Mounting method
(Normal position)