

Temperature increase of main components

Model: MGFS4024□□

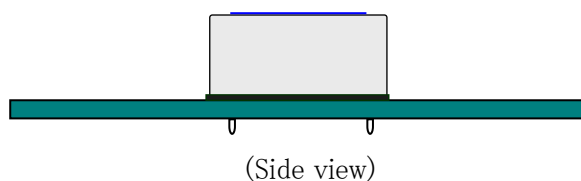
1. Conditions

- (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]					
			3.3V	5V	12V	15V		
1	Switching MOS-FET	TR101	53	55	50	51	150	Junction Temp.
2	Input Choke Coil	L101	44	49	47	44	125	
3	Rectified MOS-FET(Output)	TR501	53	57	52	49	150	Junction Temp.
4	Output Choke Coil	L501	48	49	45	40	150	
5	CASE	CASE	45	49	44	43	110	Top Surface Center
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Fig.1.1 Mounting method
(Normal position)