

Temperature increase of main components

Model: MGFS8024□□

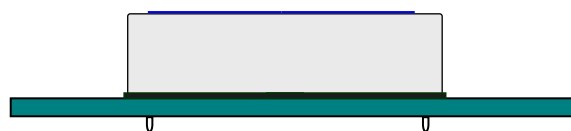
1. Conditions

- (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	56	67	54	55	150	Junction Temp.
2	Input Choke Coil	L101	46	51	41	41	125	
3	Rectified MOS-FET(Output)	TR502	61	70	53	51	150	Junction Temp.
4	Output Choke Coil	L501	52	59	43	41	125	
5	CASE	CASE	48	56	45	42	105	Top Surface Center
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(Side view)

Fig.1.1 Mounting method
(Normal position)