

Temperature increase of main components

Model: MGFS8024□□

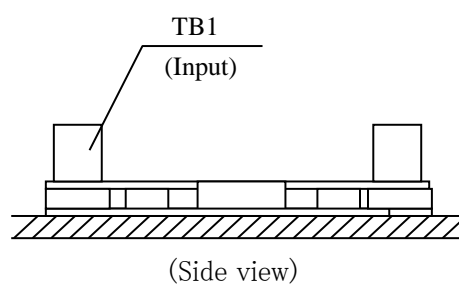
## 1. Conditions

- (1) Input :DC 9 ~ 36 [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 ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Input Choke Coil	L11	40	50	42	42	150	
2	Input Capacitor	C11	17	21	18	17	105	
3	Input Capacitor	C13	17	20	18	18	105	
4	DC-DC converter (Case)	PS1	47	57	49	48	105	Top Surface Center
5	Output capacitor	C53	21	28	20	17	105	
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Fig.1.1 Mounting method  
(Normal position)

Temperature increase of main components

Model: MGFS8048□□

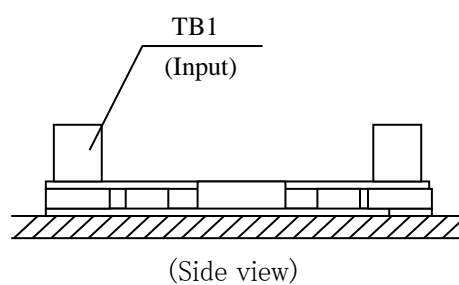
## 1. Conditions

- (1) Input :DC 18 ~ 76 [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 ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	15V		
1	Input Choke Coil	L11	34	40	34	36	150	
2	Input Capacitor	C11	12	14	12	12	105	
3	Input Capacitor	C13	12	14	12	12	105	
4	DC-DC converter (Case)	PS1	41	51	44	43	105	Top Surface Center
5	Output capacitor	C53	20	25	19	18	105	
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Fig.1.1 Mounting method  
(Normal position)