

Temperature increase of main components

Model: BRFS40

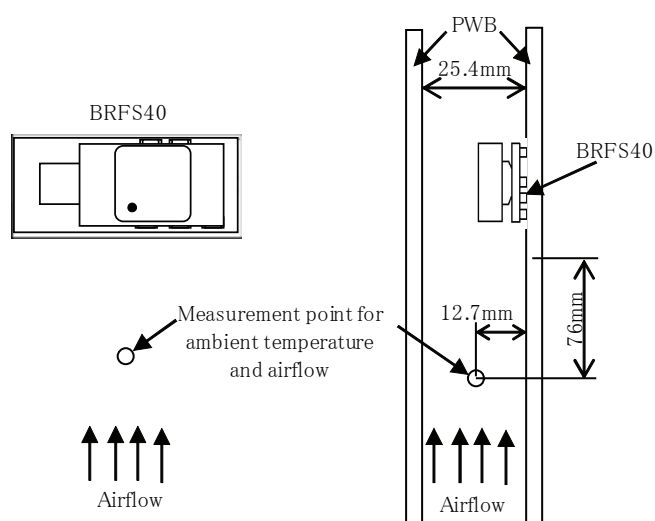
## 1. Conditions

- (1) Input :DC 12 [V]  
 (2) Output :Rated output  
 (3) Air flow : 1 [m/s]  
 (4) Mounting method :Shown as Fig.1.1

## 2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			40							
1	Power FET	TR101	55.0						150	Junction Temp.
2	Power FET	TR102	55.0						150	Junction Temp.
3	Power FET	IC301	37.0						125	Junction Temp.
4	Power FET	L141	43.0						130	
5	Output Choke(Coil)	L151	43.0						130	
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(Side view)

Fig.1.1 Mounting method