

Temperature increase of main components

Model: BRFS30

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

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No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			30							
1	High Side Fet	TR101	41.9						150	Junction Temp.
2	Low Side Fet	TR102	41.9						150	Junction Temp.
3	Driver Ic	IC103	39.5						150	Junction Temp.
4	Power Control Ic	IC301	38.1						125	Junction Temp.
5	Output Choke(Coil)	L101	41.7						130	
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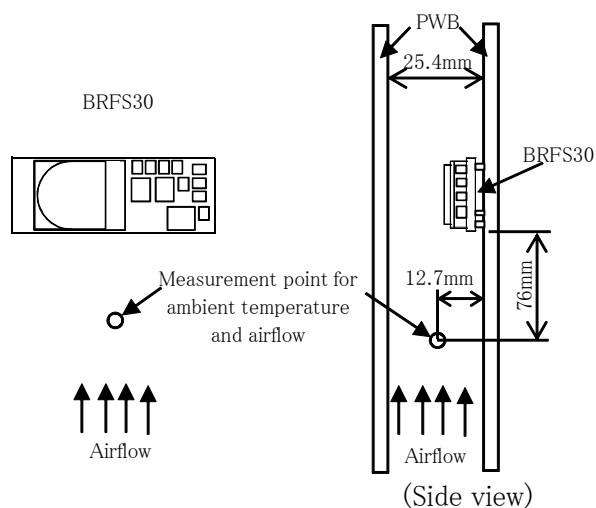


Fig.1.1 Mounting method