

Temperature increase of main components

Model: BRFS120

1. Conditions

- (1) Input :DC 12 [V]
 (2) Output :Rated output
 (3) Air flow : 2 [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 (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			120							
1	Power FET	TR121	112.0						150	Junction Temp.
2	Power FET	TR122	111.0						150	Junction Temp.
3	Power FET	TR131	112.0						150	Junction Temp.
4	Power FET	TR132	111.0						150	Junction Temp.
5	Power Control Ic	IC301	82.0						125	Junction Temp.
6	Output Choke(Coil)	L141	79.0						125	
7	Output Choke(Coil)	L151	79.0						125	
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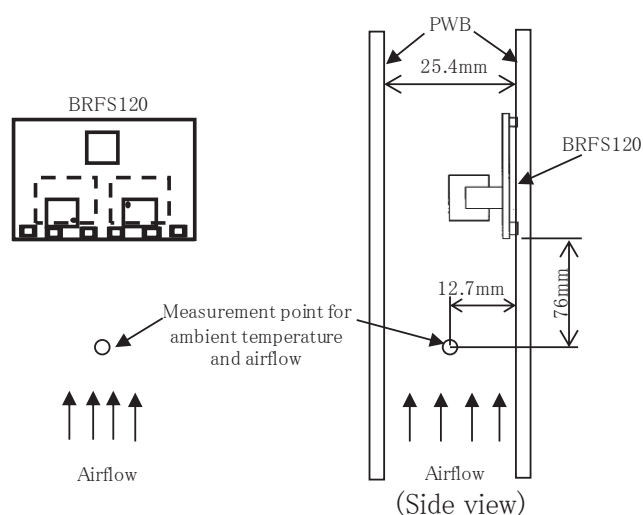


Fig.1.1 Mounting method